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2025 DORAN SCALES PRICING CATALOG

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# Doran Scales is proud of our certification as a National Women's Business Enterprise (WBENC) and a Women-Owned Small Business (WOSB).

These prestigious certifications highlight the company's commitment to fostering diversity, empowering women leadership, and delivering excellence across industries.

As a woman-owned business, Doran is excited to continue building meaningful partnerships and driving innovation.



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## Bench Scale Systems

7000XL Series SS Bench Scale .....	6
2200 Series SS Bench Scale .....	12
2200CW Series SS Checkweigher Scale .....	20
4300 Series SS Checkweigher Scale .....	28
7400 Series SS Bench Scale .....	35
1200 Series MS Bench Scale .....	39
MVP Series MS Bench Scale .....	41
PC-400 Series SS Bench Scale .....	44

## Intrinsically Safe Indicators

8100IS Intrinsically Safe Indicator .....	47
8200IS Intrinsically Safe Indicator .....	49

## Bases

DSS Series SS Scale Base .....	52
DXL Series SS Scale Base .....	55
DMS Series MS Scale Base .....	57

## Dockage Scale

GrainGrader .....	62
-------------------	----

## Airline Baggage Scales

Low-Profile Baggage Scale .....	66
Recess Mount Baggage Scale .....	66
Curbside Baggage Scale .....	66

## Weighing Systems

FC6300 Series Formula Control Scale .....	70
BC6500 Series Bulk Control Indicator .....	74
QC Weigh Data Collection Software .....	76
CheckWay Data Collection Software .....	78
Dimension Indicator Configuration Software .....	79
Excelerator Data Collection Software .....	80
WARRANTIES .....	82
TERMS & CONDITIONS .....	87

## Replacement Parts List

Replacement Current Products .....	91
Replacement Legacy Products .....	111

## FEATURED PRODUCT



# UL Certified Intrinsically Safe. Versatile indicator for hazardous locations.

### 8100IS AND 8200IS INTRINSICALLY SAFE INDICATORS

With precision engineering and exceptional build quality, the Doran 8100IS and the Doran 8200IS meet the latest UL testing standards for intrinsically safe equipment in explosive environments – where there is exposure to flammable gases; flammable or combustible liquid-produced vapors; combustible dusts or ignitable fibers; or flyings.

SEE PAGES 47 & 49

# Advanced engineering. Practical advantages.

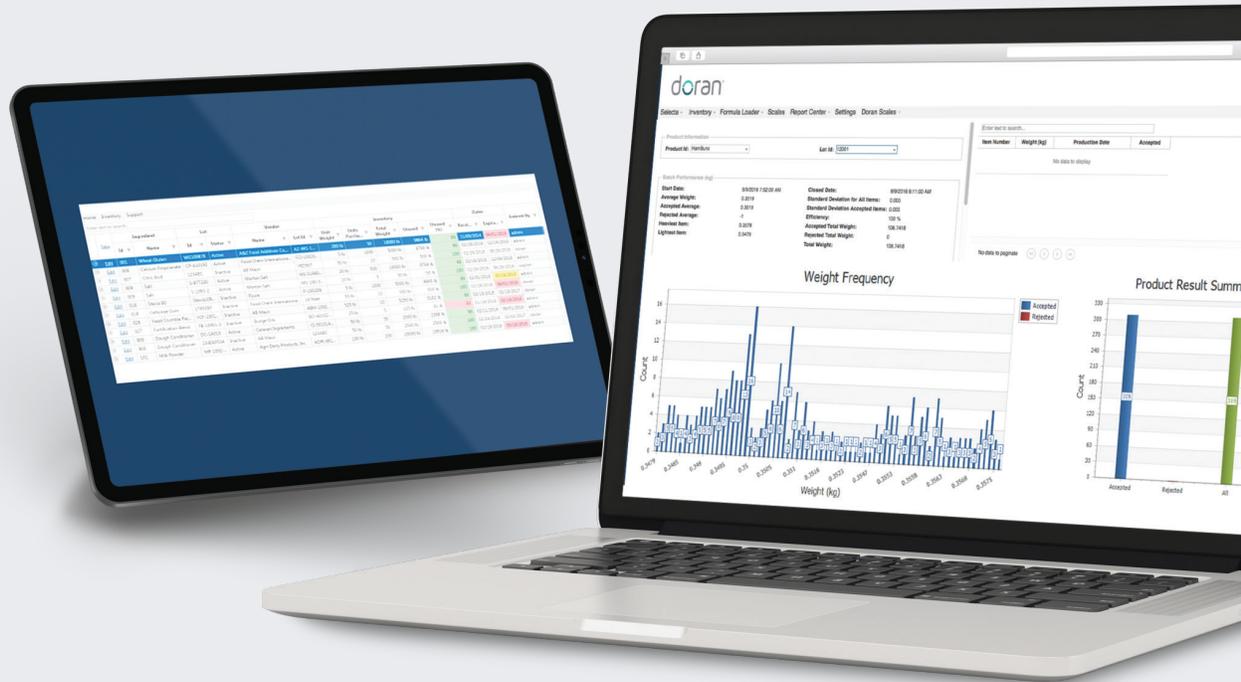
## 1200 MS SCALE

The 1200 MS was designed as a fully-integrated weighing system with components that act as a defense against the damaging effects of shock, abuse, and other environmental factors — reducing production downtime.

[SEE PAGE 39](#)



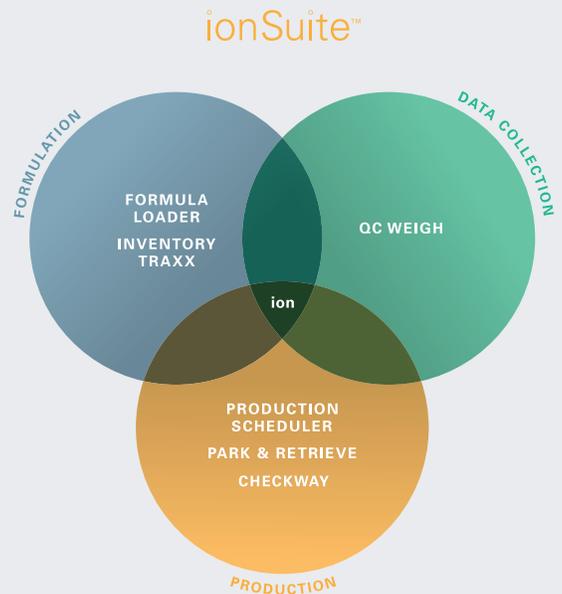
# FEATURED PRODUCT



## Specialized software. Scalable solutions.

### IONSUITE™ SOFTWARE

With innovative features and best-in-class performance, Doran ionSuite is designed to lower costs, achieve plant-wide efficiencies and ensure employee accountability. Maintain total control at every step of the production process — from formulation through packaging and traceability — to accurately project financial return on every batch.



# Bench Scale Systems

7000XL Series SS Bench Scale

2200 Series SS Bench Scale

2200CW Series SS Checkweigher Scale

4300 Series SS Checkweigher Scale

7400 Series SS Bench Scale

1200 Series MS Bench Scale

MVP Series MS Bench Scale

550 Series SS Bench Scale

PC-400 Series SS Bench Scale

# 7000XL SERIES

## SS Bench Scale

### KEY FEATURES

#### Indicator

- Built in America
- 304 stainless steel construction
- IP69K washdown protection
- Bright red, 0.8" tall 6 digit LED display
- Units of measure: lb, kg, oz, g, or lb:oz
- Legal for trade in US and Canada
- Dimension configuration software
- Programmable custom data strings

#### Scale Base

- 304 stainless steel construction
- Quad-Spring base design provides 1000% overload protection in scale bases from 8" x 8" to 15" x 15"
- Six-point overload protection in bases 18" x 18" and larger provides 300% overload protection
- Available in multiple configuration options (shown here with 20" column)



### SPECIFICATIONS

<b>Warranty:</b>	Two Years
<b>Power Input:</b>	100 - 240VAC 50/60Hz
<b>Optional Battery:</b>	Internal rechargeable battery, 60 hrs. of continuous use
<b>Optional Communication Interfaces:</b>	Ethernet, WiFi-802.11b/g, USB, Bluetooth, or 4-20 mA
<b>Resolution Range:</b>	200d to 50,000d
<b>Number of Load Cells:</b>	Up to 8, 350 Ohm
<b>Serial Interface:</b>	Two Bi-directional RS-232 ports
<b>Controls:</b>	Zero, Units, and Print
<b>Digital I/O:</b>	Two remote switch inputs
<b>Temperature Range:</b>	14° to 140° F (-10° to 40° C)
<b>Analog Sensitivity:</b>	0.16 $\mu$ V/e min., 0.5 $\mu$ V/e typical
<b>System Linearity:</b>	0.01% full scale
<b>Analog Signal Range:</b>	-0.5 mV/V to 5mV/V 4 & 6 wire input
<b>Excitation Voltage:</b>	5 VDC

### APPROVALS

#### U.S. Legal for Trade - NTEP

##### Indicator

CC# 06-101A2 (10,000d)

##### Bases 8" x 8" to 15" x 15"

CC# 97-097A1 (5,000d)

##### Bases 18" x 18" to 24" x 24"

CC# 13-110 (5,000d)



#### Canadian Legal for Trade - Measurement Canada

##### Indicator

AM-5347 (10,000d)

##### Bases 8" x 8" to 15" x 15"

CC# AM-5241 (5,000d)

##### Bases 18" x 18" to 24" x 24"

CC# AM-5926 (5,000d)



# SS Bench Scale

MODEL	CAPACITY (LB)	CAPACITY (KG x G)	CAPACITY (OZ)	PLATFORM SIZE
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**Indicator Only**

7000XLM

**With U-Bracket**

7002XL/88 <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	8" x 8"
7005XL/88	5 x 0.001	2.3 x 0.5g	80 x 0.02	8" x 8"
7010XL/88	10 x 0.002	4.5 x 1g	160 x 0.05	8" x 8"
7025XL/88	25 x 0.005	11.3 x 2g	400 x 0.1	8" x 8"
7002XL <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"
7005XL	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"
7010XL	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"
7025XL	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"
7050XL	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"
7025XL/12	25 x 0.005	11.3 x 2g	400 x 0.1	12" x 12"
7050XL/12	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"
7100XL/12	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"
7050XL/15	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"
7100XL/15	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"
7200XL/15	200 x 0.05	91 x 20g	3200 x 1	15" x 15"
7100XL/18S	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"
7250XL/18S	250 x 0.05	113 x 20g	4000 x 1	18" x 18"
7500XL/18S	500 x 0.1	227 x 50g	8000 x 2	18" x 18"
7250XL/1824	250 x 0.05	113 x 20g	4000 x 1	18" x 24"
7500XL/1824	500 x 0.1	227 x 50g	8000 x 2	18" x 24"
7250XL/2424	250 x 0.05	113 x 20g	4000 x 1	24" x 24"
7500XL/2424	500 x 0.1	227 x 50g	8000 x 2	24" x 24"
71000XL/2424	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"



**With Attachment Bracket - Ships Attached**

7002XL/88-ABR <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	8" x 8"
7005XL/88-ABR	5 x 0.001	2.3 x 0.5g	80 x 0.02	8" x 8"
7010XL/88-ABR	10 x 0.002	4.5 x 1g	160 x 0.05	8" x 8"
7025XL/88-ABR	25 x 0.005	11.3 x 2g	400 x 0.1	8" x 8"
7002XL-ABR <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"
7005XL-ABR	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"
7010XL-ABR	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"
7025XL-ABR	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"
7050XL-ABR	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"
7025XL/12-ABR	25 x 0.005	11.3 x 2g	400 x 0.1	12" x 12"
7050XL/12-ABR	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"
7100XL/12-ABR	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"



# 7000XL SERIES

## SS Bench Scale

MODEL	CAPACITY (LB)	CAPACITY (KG x G)	CAPACITY (OZ)	PLATFORM SIZE
<b>With 14" Column - Ships Attached</b>				
7002XL-C14 <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"
7005XL-C14	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"
7010XL-C14	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"
7025XL-C14	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"
7050XL-C14	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"
7025XL/12-C14	25 x 0.005	11.3 x 2g	400 x 0.1	12" x 12"
7050XL/12-C14	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"
7100XL/12-C14	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"
7050XL/15-C14	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"
7100XL/15-C14	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"
7200XL/15-C14	200 x 0.05	91 x 20g	3200 x 1	15" x 15"



<b>With 20" Column - Ships Separately</b>				
7050XL/15-C20	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"
7100XL/15-C20	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"
7200XL/15-C20	200 x 0.05	91 x 20g	3200 x 1	15" x 15"
7100XL/18S-C20	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"
7250XL/18S-C20	250 x 0.05	113 x 20g	4000 x 1	18" x 18"
7500XL/18S-C20	500 x 0.1	227 x 50g	8000 x 2	18" x 18"
7250XL/1824-C20	250 x 0.05	113 x 20g	4000 x 1	18" x 24"
7500XL/1824-C20	500 x 0.1	227 x 50g	8000 x 2	18" x 24"
7250XL/2424-C20	250 x 0.05	113 x 20g	4000 x 1	24" x 24"
7500XL/2424-C20	500 x 0.1	227 x 50g	8000 x 2	24" x 24"
71000XL/2424-C20	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"



<b>PFS Series SS Portable Floor Scale with the 7000XLM Indicator</b>				
7250XL-PFS	250 x 0.05	113 x 20g	4000 x 1	24" x 24"
7500XL-PFS	500 x 0.1	227 x 50g	8000 x 2	24" x 24"
71000XL-PFS	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"



**NOTE** <sup>1</sup> Not Legal for Trade

## SS Bench Scale

## CALIBRATION OPTIONS

Super Precision Calibration (Part#: EXOPT310-BB-CCLB).....  
 Scales will be factory calibrated to 10,000d upgraded with high resolution load cell.  
 Note: BB is D7 8x8, 10x10; D8 for 12x12; D9 for 15x15; DS for 18x18, 18x24 and 24x24 bases.  
 CC is base capacity in LB.

## POWER OPTIONS



Internal Rechargeable Battery (Part#: EXOPT308) .....  
 Provides a truly portable and versatile digital bench scale. The rechargeable battery provides up to 60 hours of continuous use.

External 6-12VDC Power (Part#: EXOPT307).....  
 Includes: 2 pin in-line connector on a 6" length of cable with the mating connector attached to a 21" length of two conductor cable. Connectors have a washdown rating of IP68.

## COMMUNICATIONS &amp; DATA OUTPUT OPTIONS

Bluetooth Internal Communications & USB Adapter<sup>1,2</sup> (Part#: EXOPT300).....  
 Includes: Internal class 3 Bluetooth communication option and one class 1 Bluetooth receiver USB Adapter. Can be combined with USB Option (EXOPT304)

Internal Bluetooth Communications Only<sup>1,2</sup> (Part#: EXOPT301).....  
 Includes: Internal class 3 Bluetooth communication option

Ethernet - Wired<sup>1,2</sup> (Part#: EXOPT302).....  
 Includes: Internal Ethernet interface board with sealed RJ45 connector on the back of the scale. Can be combined with USB and 4-20mA options.

Washdown Safe RJ45 Ethernet Connector Field Install Kit (Part#: EXOPT150).....  
 Includes: One NEMA4X connector to mate to the connector on the back of the scale. Installs on customer supplied cable. Requires a RJ45 cable crimping tool.

Ethernet - Wireless 802.11b/g<sup>1,2</sup> (Part#: EXOPT303).....  
 Includes: Internal Ethernet interface board and a 3.5" long flexible antenna with a NEMA4X bulkhead mount on back of meter. Can be combined with USB Option.

USB Communications<sup>1</sup> (Part#: EXOPT304) .....  
 Includes: Internal USB interface board and a sealed USB Type B connector bulkhead mounted on side of meter with a NEMA 4X sealing cap. For scales used in wet environment, choose one the following USB Waterproof Cables (IP67 and NEMA 4X Rated). This option can be combined with Ethernet, Wireless Ethernet, Bluetooth and 4-20mA options.

USB Waterproof Cable, 10 Feet Long (IP67 Rated) (Part#: EXOPT305).....

USB Internal Cable for Wired Ethernet (EXOPT302), WiFi (EXOPT303) and Bluetooth (EXOPT301) options (Part#: WCB0261).....

USB Bulkhead Connector for WiFi and Wired Ethernet Options (Part#: EXOPT311).....  
 Provides bulkhead USB connector to access USB communications option when using in addition to WiFi (EXOPT303) and Ethernet (EXOPT302) options.

4-20mA Analog Output<sup>2</sup> (Active Only) Option (Part#: EXOPT306).....  
 Includes: Internal 4-20mA interface board (12-bit accuracy) & 12 feet of cable.  
 This option can be combined with the USB Interface Option and Ethernet Option.

**NOTES** <sup>1</sup> This option is not field installable, call Doran for more details.

<sup>2</sup> The following combination of Communication & Data Options are possible:

**a.** Wired Ethernet + 4-20 + USB **b.** Bluetooth + USB **c.** Wireless Ethernet + USB

## SS Bench Scale

### COLUMN OPTIONS

Upgrade from 20" to 30" Atlas Column (Part#: EXOPT134) .....

### SCALE VEIL

Clear protective scale veil (Pack of 3) (Part#: SUB0852) .....

### SERIAL DATA COMMUNICATIONS OPTIONS

RS-232 Serial Data Output, 10 ft. long cable, 9 pin FEMALE D connector (Scale to PC Connection) (Part#: EXOPT119) .....

RS-232 Serial Data Output, 10 ft. long cable, 9 pin MALE D connector (Scale to Printer Connection) (Part#: EXOPT148) .....

**NOTE** Serial data output default settings are 9600 baud, 8 bits, no parity, and one stop bit.

### LOAD CELL OPTIONS

Stainless Steel Load Cell for 8" x 8", 10" x 10" Base (Part#: EXOPT136-CCLB) .....

2 lb capacity is not supported by this option

Stainless Steel Load Cell for 12" x 12" Base (Part#: EXOPT137-CCLB) .....

Stainless Steel Load Cell for 15" x 15" Base (Part#: EXOPT138-CCLB) .....

Stainless Steel Load Cell for 18" x 18", 18" x 24", or 24" x 24" Base (Part#: EXOPT179-CCLB) .....

**NOTE** Stainless steel load cell options are not recommended for 10,000d resolution. Cannot be used in Legal for Trade applications. CC is scale capacity in LB. This applies to entire Load Cell options section.

### PRINTER OPTIONS

Barcode Label Printer (Part#: PRT0350-C) .....

Thermal label printer includes scale to printer cable. Washdown stainless steel enclosure available – call for quote.

Custom Label Formatting (Part#: CUSTOM-LABEL) .....

Formatting for one label. Complex labels may require an additional charge.

Impact Printer (Part#: PRT0351-C) .....

Paper tape printer includes scale to printer cable.

 Stainless Steel Printer Enclosure (Part#: PRT0056) .....

Washdown Safe.

## SS Bench Scale

## DATA COLLECTION AND MANAGEMENT SOFTWARE

This scale is compatible with the following software. See the Weighing Systems section for more details.

Excelsior Data Collection Software (Part#: SFT0001) .....
Dimension Indicator Configuration Software (Part#: SFT0017).....

## REMOTE SWITCH OPTIONS

Standard Remote Switch, configured for remote ZERO (non-washdown) (Part#: EXOPT115).....
Standard Remote Switch, configured for remote PRINT (non-washdown) (Part#: EXOPT116).....
Standard Remote Switch, configured for remote UNITS (non-washdown) (Part#: EXOPT117).....

**NOTE** All switches include a 10 foot long cable. Dimensions of standard switch are 3-1/2" x 2-5/8" x 1"

## QUICK DISCONNECT OPTIONS

Load Cell Cable Quick Disconnect - Bulkhead Mount (IP68 Rated) (Part#: EXOPT140).....
8 pin bulkhead mount on the back of the indicator & the mating connector is attached to the load cell cable.
Remote Switch Quick Disconnect - Bulkhead Mount (IP68 Rated) (Part#: EXOPT141).....
4 pin bulkhead mount on the back of the indicator & the mating connector is attached to the remote switch cable. Does NOT include the remote switch.
Serial Cable (DB9 - Female) Quick Disconnect - Bulkhead Mount (IP68 Rated) (Part#: EXOPT172).....
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 female connector.
Serial Cable (DB9 - Male) Quick Disconnect - Bulkhead Mount (IP68 Rated) (Part#: EXOPT174).....
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 male connector.

**NOTE** Quick disconnect options are not field installable, call Doran for more details.

## EXTRA HOLE

Drill Extra Hole in Backplate (Part#: EXOPT316).....
Required for multiple RS-232 communication options and remote switches. Consult factory when ordering multiple communication options.

## SS Bench Scale

### KEY FEATURES

#### Indicator

- 800 Product ID's and eight Setpoint Outputs
- Full Function Keypad
- Powerful System Control Features
- Advanced Communications and Control
- 304 stainless steel construction
- IP69K washdown protection
- Available in multiple configuration options (shown here with U-bracket)

#### Scale Base

- 304 stainless steel construction
- Quad-Spring base design provides 1000% overload protection in scale bases from 8" x 8" to 15" x 15"
- Six-point overload protection in bases 18" x 18" and larger provides 300% overload protection



### SPECIFICATIONS

<b>Warranty:</b>	Two Years
<b>Power Input:</b>	100 - 240VAC 50/60Hz
<b>Optional Battery:</b>	Internal rechargeable battery, 60 hrs. of continuous use
<b>Optional Communication Interfaces:</b>	Ethernet, WiFi-802.11b/g, USB, Bluetooth, or 4-20 mA
<b>Resolution Range:</b>	200d to 50,000d
<b>Number of Load Cells:</b>	Up to 8, 350 Ohm
<b>Serial Interface:</b>	Two Bi-directional RS-232 ports
<b>Controls:</b>	Tare, Gross/Net, Zero, Print, Units, Accum, Id, Clear, Enter, Set Point, Decimal Point, and Numeric Keypad 0-9
<b>Digital I/O:</b>	Two remote switch inputs, eight digital outputs
<b>Temperature Range:</b>	14° to 140° F (-10° to 40° C)
<b>Analog Sensitivity:</b>	0.16 $\mu$ V/e min., 0.5 $\mu$ V/e typical
<b>System Linearity:</b>	0.01% full scale
<b>Analog Signal Range:</b>	-0.5 mV/V to 5mV/V 4 & 6 wire input
<b>Excitation Voltage:</b>	5 VDC

### APPROVALS

#### U.S. Legal for Trade - NTEP

##### Indicator

CC# 06-101A2 (10,000d)

##### Bases 8" x 8" to 15" x 15"

CC# 97-097A1 (5,000d)

##### Bases 18" x 18" to 24" x 24"

CC# 13-110 (5,000d)



#### Canadian Legal for Trade - Measurement Canada

##### Indicator

CC# AM-5617 (10,000d)

##### Bases 8" x 8" to 15" x 15"

CC# 97-097A1 (5,000d)

##### Bases 18" x 18" to 24" x 24"

CC# 13-110 (5,000d)



## SS Bench Scale

MODEL	CAPACITY (LB)	CAPACITY (KG x G)	CAPACITY (OZ)	PLATFORM SIZE
<b>Indicator Only</b>				
2200				
<b>With U-Bracket</b>				
22002/88 <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	8" x 8"
22005/88	5 x 0.001	2.3 x 0.5g	80 x 0.02	8" x 8"
22010/88	10 x 0.002	4.5 x 1g	160 x 0.05	8" x 8"
22025/88	25 x 0.005	11.3 x 2g	400 x 0.1	8" x 8"
22002 <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"
22005	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"
22010	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"
22025	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"
22050	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"
22025/12	25 x 0.005	11.3 x 2g	400 x 0.1	12" x 12"
22050/12	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"
22100/12	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"
22050/15	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"
22100/15	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"
22200/15	200 x 0.05	91 x 20g	3200 x 1	15" x 15"
22100/18S	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"
22250/18S	250 x 0.05	113 x 20g	4000 x 1	18" x 18"
22500/18S	500 x 0.1	227 x 50g	8000 x 2	18" x 18"
22250/1824	250 x 0.05	113 x 20g	4000 x 1	18" x 24"
22500/1824	500 x 0.1	227 x 50g	8000 x 2	18" x 24"
22250/2424	250 x 0.05	113 x 20g	4000 x 1	24" x 24"
22500/2424	500 x 0.1	227 x 50g	8000 x 2	24" x 24"
22100/2424	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"
<b>With Attachment Bracket - Ships Attached</b>				
22002/88-ABR <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	8" x 8"
22005/88-ABR	5 x 0.001	2.3 x 0.5g	80 x 0.02	8" x 8"
22010/88-ABR	10 x 0.002	4.5 x 1g	160 x 0.05	8" x 8"
22025/88-ABR	25 x 0.005	11.3 x 2g	400 x 0.1	8" x 8"
22002-ABR <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"
22005-ABR	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"
22010-ABR	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"
22025-ABR	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"
22050-ABR	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"
22025/12-ABR	25 x 0.005	11.3 x 2g	400 x 0.1	12" x 12"
22050/12-ABR	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"
22100/12-ABR	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"



# SS Bench Scale

MODEL	CAPACITY (LB)	CAPACITY (KG x G)	CAPACITY (OZ)	PLATFORM SIZE
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**With 14" Column - Ships Attached**

22002-C14 <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"
22005-C14	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"
22010-C14	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"
22025-C14	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"
22050-C14	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"
22025/12-C14	25 x 0.005	11.3 x 2g	400 x 0.1	12" x 12"
22050/12-C14	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"
22100/12-C14	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"
22050/15-C14	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"
22100/15-C14	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"
22200/15-C14	200 x 0.05	91 x 20g	3200 x 1	15" x 15"



**With 20" Column - Ships Separately**

22050/15-C20	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"
22100/15-C20	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"
22200/15-C20	200 x 0.05	91 x 20g	3200 x 1	15" x 15"
22100/18S-C20	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"
22250/18S-C20	250 x 0.05	113 x 20g	4000 x 1	18" x 18"
22500/18S-C20	500 x 0.1	227 x 50g	8000 x 2	18" x 18"
22250/1824-C20	250 x 0.05	113 x 20g	4000 x 1	18" x 24"
22500/1824-C20	500 x 0.1	227 x 50g	8000 x 2	18" x 24"
22250/2424-C20	250 x 0.05	113 x 20g	4000 x 1	24" x 24"
22500/2424-C20	500 x 0.1	227 x 50g	8000 x 2	24" x 24"
221000/2424-C20	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"



**PFS Series SS Portable Floor Scale with the 2200 Indicator**

22250-PFS	250 x 0.05	113 x 20g	4000 x 1	24" x 24"
22500-PFS	500 x 0.1	227 x 50g	8000 x 2	24" x 24"
221000-PFS	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"



**NOTE** <sup>1</sup> Not Legal for Trade

## SS Bench Scale

## CALIBRATION OPTIONS

Super Precision Calibration (Part#: EXOPT310-BB-CCLB).....  
 Scales will be factory calibrated to 10,000d upgraded with high resolution load cell.  
 Note: BB is D7 8x8, 10x10; D8 for 12x12; D9 for 15x15; DS for 18x18, 18x24 and 24x24 bases.  
 CC is base capacity in LB.

## POWER OPTIONS



Internal Rechargeable Battery (Part#: EXOPT319) .....  
 Provides a truly portable and versatile digital bench scale. The rechargeable battery provides up to 60 hours of continuous use.

External 6-12VDC Power (Part#: EXOPT307).....  
 Includes: 2 pin in-line connector on a 6" length of cable with the mating connector attached to a 21" length of two conductor cable. Connectors have a washdown rating of IP68.

## COMMUNICATIONS &amp; DATA OUTPUT OPTIONS

Bluetooth Internal Communications & USB Adapter<sup>1,2</sup> (Part#: EXOPT300).....  
 Includes: Internal class 3 Bluetooth communication option and one class 1 Bluetooth receiver USB Adapter. Can be combined with USB Option (EXOPT304)

Internal Bluetooth Communications Only<sup>1,2</sup> (Part#: EXOPT301).....  
 Includes: Internal class 3 Bluetooth communication option

Ethernet - Wired<sup>1,2</sup> (Part#: EXOPT302).....  
 Includes: Internal Ethernet interface board with sealed RJ45 connector on the back of the scale. Can be combined with USB and 4-20mA options.

Washdown Safe RJ45 Ethernet Connector Field Install Kit (Part#: EXOPT150) .....  
 Includes: One NEMA4X connector to mate to the connector on the back of the scale. Installs on customer supplied cable. Requires a RJ45 cable crimping tool.

Ethernet - Wireless 802.11b/g<sup>1,2</sup> (Part#: EXOPT303).....  
 Includes: Internal Ethernet interface board and a 3.5" long flexible antenna with a NEMA4X bulkhead mount on back of meter. Can be combined with USB Option.

USB Communications<sup>1</sup> (Part#: EXOPT304) .....  
 Includes: Internal USB interface board and a sealed USB Type B connector bulkhead mounted on side of meter with a NEMA 4X sealing cap. For scales used in wet environment, choose one the following USB Waterproof Cables (IP67 and NEMA 4X Rated). This option can be combined with Ethernet, Wireless Ethernet, Bluetooth and 4-20mA options.

- NOTES**
1. This option is not field installable, call Doran for more details.
  2. The following combination of Communication & Data Options are possible:
    - a. Wired Ethernet + 4-20 + USB
    - b. Bluetooth + USB
    - c. Wireless Ethernet + USB

# SS Bench Scale

## COMMUNICATIONS & DATA OUTPUT OPTIONS

- USB Waterproof Cable, 10 Feet Long (IP67 Rated) (Part#: EXOPT305) .....
- USB Internal Cable for Wired Ethernet (EXOPT302), WiFi (EXOPT303) and Bluetooth (EXOPT301) options (Part#: WCB0261) .....
- USB Bulkhead Connector for WiFi and Wired Ethernet Options (Part#: EXOPT311) .....  
Provides bulkhead USB connector to access USB communications option when using in addition to WiFi (EXOPT303) and Ethernet (EXOPT302) options.
- 4-20mA Analog Output<sup>2</sup> (Active Only) Option (Part#: EXOPT306) .....
- Includes: Internal 4-20mA interface board (12-bit accuracy) & 12 feet of cable.  
This option can be combined with the USB Interface Option and Ethernet Option.

- NOTES**
- 1. This option is not field installable, call Doran for more details.
  - 2. The following combination of Communication & Data Options are possible:  
**a.** Wired Ethernet + 4-20 + USB   **b.** Bluetooth + USB   **c.** Wireless Ethernet + USB

## COLUMN OPTIONS

- Upgrade from 20" to 30" Atlas Column (Part#: EXOPT134) .....

## SCALE VEIL

- Clear protective scale veil (Pack of 3) (Part#: SUB0852) .....

## SERIAL DATA COMMUNICATIONS OPTIONS

- RS-232 Serial Data Output, 10 ft. long cable, 9 pin FEMALE D connector (Scale to PC Connection) (Part#: EXOPT119) .....
- RS-232 Serial Data Output, 10 ft. long cable, 9 pin MALE D connector (Scale to Printer Connection) (Part#: EXOPT148) .....

**NOTE**    *Serial data output default settings are 9600 baud, 8 bits, no parity, and one stop bit.*

## SS Bench Scale

## LOAD CELL OPTIONS

Stainless Steel Load Cell <sup>2</sup> for 8" x 8", 10" x 10" Base (Part#: EXOPT136-CCLB) .....	2 lb capacity is not supported by this option
Stainless Steel Load Cell <sup>2</sup> for 12" x 12" Base (Part#: EXOPT137-CCLB) .....	
Stainless Steel Load Cell <sup>2</sup> for 15" x 15" Base (Part#: EXOPT138-CCLB) .....	
Stainless Steel Load Cell for 18" x 18", 18" x 24", or 24" x 24" Base (Part#: EXOPT179-CCLB) .....	

- NOTES**
- <sup>1</sup> Serial data output default settings are 9600 baud, 8 bits, no parity, and one stop bit.
- <sup>2</sup> Stainless steel load cell options are not recommended for Super Precision resolution. CC is scale capacity in LB. This applies to entire Load Cell options section.

## PRINTER OPTIONS

Barcode Label Printer (Part#: PRT0350-C) .....	Thermal label printer includes scale to printer cable. Washdown stainless steel enclosure available – call for quote
Custom Label Formatting (Part#: CUSTOM-LABEL) .....	Formatting for one label. Complex labels may require an additional charge.
Impact Printer (Part#: PRT0351-C) .....	Paper tape printer includes scale to printer cable.
 Stainless Steel Printer Enclosure (Part#: PRT0056) .....	Washdown Safe.

## DATA COLLECTION AND MANAGEMENT SOFTWARE

This scale is compatible with the following software. See the Weighing Systems section for more details.

Excelerator Data Collection Software (Part#: SFT0001) .....
Dimension Indicator Configuration Software (Part#: SFT0017) .....

## REMOTE SWITCH OPTIONS

Standard Remote Switch, configured for remote ZERO (non-washdown) (Part#: EXOPT115) .....
Standard Remote Switch, configured for remote PRINT (non-washdown) (Part#: EXOPT116) .....
Standard Remote Switch, configured for remote UNITS (non-washdown) (Part#: EXOPT117) .....

## SS Bench Scale

### QUICK DISCONNECT OPTIONS

- Load Cell Cable Quick Disconnect - Bulkhead Mount\* (IP68 Rated) (Part#: EXOPT140) .....  
8 pin bulkhead mount on the back of the indicator & the mating connector is attached to the load cell cable.
- Remote Switch Quick Disconnect - Bulkhead Mount\* (IP68 Rated) (Part#: EXOPT141) .....  
4 pin bulkhead mount on the back of the indicator & the mating connector is attached to the remote switch cable. Does NOT include the remote switch.
- Serial Cable (DB9 - Female) Quick Disconnect - Bulkhead Mount\* (IP68 Rated) (Part#: EXOPT172) .....  
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 female connector.
- Serial Cable (DB9 - Male) Quick Disconnect - Bulkhead Mount\* (IP68 Rated) (Part#: EXOPT174) .....  
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 male connector.
- Barcode Scanner Quick Disconnect - Bulkhead Mount\* (IP68 Rated) (Part#: EXOPT185) .....  
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to included 10' barcode scanner cable (Barcode scanner is not included).

**NOTE** \* This option is not field installable, call Doran for more details.

### EXTRA HOLE

- Drill Extra Hole in Backplate (Part#: EXOPT316) .....  
Required for multiple RS-232 communication options and remote switches.  
Consult factory when ordering multiple communication options.

### RELAY OPTIONS - INTERNAL

- Internal Relay Option (Part#: EXOPT106) .....  
Includes: Internal relay board, with sockets to accept up to four relays. Also includes an attached six foot long cable with color-coded leads. Relays can be configured as normally open or closed.
- NOTES** - One or more of the following relays must be ordered with this option.  
- This option CAN NOT be ordered with the Internal Rechargeable Battery option.
- Mechanical Relay (Part#: EXOPT317) .....  
10 Amp - 250VAC/30VDC (12V Coil)
- Solid State Relay - AC (Part#: EXOPT109) .....  
2 Amp - 100-240VAC
- Solid State Relay - DC (Part#: EXOPT110) .....  
2 Amp - 5-48VDC

# SS Bench Scale

## RELAY OPTIONS - EXTERNAL

External Relay Option (Part#: EXOPT107) .....

Includes: 10" x 7" housing with 5 volt power supply and DIN rail to accommodate up to 8 mechanical or solid state relays. Relays can be configured as normally open or closed. One or more of the following external relays must be ordered with this option.

- NOTES**
- One or more of the following relays must be ordered with this option.
  - This option CAN NOT be ordered with the Internal Rechargeable Battery option.

Mechanical Relay with DIN mount terminal socket (Part#: EXOPT196) .....

10 Amp - 250VAC/30VDC (6V Coil)

Solid State Relay- AC with DIN mount terminal socket (Part#: EXOPT112) .....

2 Amp - 100-240VAC

Solid State Relay - DC with DIN mount terminal socket (Part#: EXOPT113) .....

2 Amp - 5-48VDC

General Duty Barcode Scanner (Part#: EXOPT178) .....

Includes: Handheld barcode wand with 6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 12' long cable.

- NOTE** This option CAN NOT be ordered with Internal Rechargeable Battery option.

Heavy Duty Barcode Scanner (Part#: EXOPT177) .....

Includes: Handheld barcode wand with 6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 12' long cable.

- NOTE** This option CAN NOT be ordered with Internal Rechargeable Battery option.



## BARCODE SCANNER COMPARISON CHART

	TEMP. RATING	MECH. SHOCK RATING	ESD PROTECTION	WATER & DUST PROTECTION	SCAN WIDTH	RESOLUTION	PRINT CONTRAST
EXOPT178	32° to 113° F	Withstands 10 five foot drops to concrete	Functional after 15kV discharge	IP42	4" width at 5" from label	5 mils	25% or higher
EXOPT177	-22° to 122° F	Withstands 50 six and a half foot drops to concrete	Functional after multiple 25kV discharge	IP65	6" width at 7" from label	4 mils	20% or greater

## SS Checkweigher Scale

### KEY FEATURES

#### Indicator

- 800 product ID's memory
- 200 user ID's
- Checkweigh with 3 or 5 zone checkweighing operations
- 304 stainless steel construction
- IP69K washdown protection
- Units of measure: lb, kg, oz, g, or lb:oz
- Eight outputs

#### Scale Base

- 304 stainless steel construction
- Quad-Spring base design provides 1000% overload protection in scale bases from 8" x 8" to 15" x 15"
- Six-point overload protection in bases 18" x 18" and larger provides 300% overload protection
- Available in multiple configuration options (shown here with 14" column)



### SPECIFICATIONS

<b>Warranty:</b>	Two Years
<b>Power Input:</b>	100 - 240VAC 50/60Hz
<b>Optional Battery:</b>	Internal rechargeable battery, 60 hrs. of continuous use
<b>Optional Communication Interfaces:</b>	Ethernet, WiFi-802.11b/g, USB, Bluetooth, or 4-20 mA
<b>Resolution Range:</b>	200d to 50,000d
<b>Number of Load Cells:</b>	Up to 8, 350 Ohm
<b>Serial Interface:</b>	Two Bi-directional RS-232 ports
<b>Controls:</b>	Tare, Gross/Net, Zero, Print, Units, Accum, Clear Prod Id, Set Point, Over, Under, Enter, Decimal Point, and Numeric Keypad 0-9
<b>Digital I/O:</b>	Two remote switch inputs, eight digital outputs
<b>Temperature Range:</b>	14° to 140° F (-10° to 40° C)
<b>Analog Sensitivity:</b>	0.16 $\mu$ V/e min., 0.5 $\mu$ V/e typical
<b>System Linearity:</b>	0.01% full scale
<b>Analog Signal Range:</b>	-0.5 mV/V to 5mV/V 4 & 6 wire input
<b>Excitation Voltage:</b>	5 VDC

### APPROVALS

#### U.S. Legal for Trade - NTEP

##### Indicator

CC# 06-101A2 (10,000d)

##### Bases 8" x 8" to 15" x 15"

CC# 97-097A1 (5,000d)

##### Bases 18" x 18" to 24" x 24"

CC# 13-110 (5,000d)

#### Canadian Legal for Trade - Measurement Canada

##### Indicator

AM-5617 (10,000d)

##### Bases 8" x 8" to 15" x 15"

CC# 97-097A1 (5,000d)

##### Bases 18" x 18" to 24" x 24"

CC# 13-110 (5,000d)



# SS Checkweigher Scale

MODEL	CAPACITY (LB)	CAPACITY (KG x G)	CAPACITY (OZ)	PLATFORM SIZE
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**Indicator Only**

2200CW

**With U-Bracket**

2202CW/88 <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	8" x 8"
2205CW/88	5 x 0.001	2.3 x 0.5g	80 x 0.02	8" x 8"
2210CW/88	10 x 0.002	4.5 x 1g	160 x 0.05	8" x 8"
2225CW/88	25 x 0.005	11.3 x 2g	400 x 0.1	8" x 8"
2202CW <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"
2205CW	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"
2210CW	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"
2225CW	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"
2250CW	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"
2225CW/12	25 x 0.005	11.3 x 2g	400 x 0.1	12" x 12"
2250CW/12	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"
22100CW/12	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"
2250CW/15	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"
22100CW/15	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"
22200CW/15	200 x 0.05	91 x 20g	3200 x 1	15" x 15"
22100CW/18S	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"
22250CW/18S	250 x 0.05	113 x 20g	4000 x 1	18" x 18"
22500CW/18S	500 x 0.1	227 x 50g	8000 x 2	18" x 18"
22250CW/1824	250 x 0.05	113 x 20g	4000 x 1	18" x 24"
22500CW/1824	500 x 0.1	227 x 50g	8000 x 2	18" x 24"
22250CW/2424	250 x 0.05	113 x 20g	4000 x 1	24" x 24"
22500CW/2424	500 x 0.1	227 x 50g	8000 x 2	24" x 24"
221000CW/2424	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"



**With Attachment Bracket - Ships Attached**

2202CW/88-ABR <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	8" x 8"
2205CW/88-ABR	5 x 0.001	2.3 x 0.5g	80 x 0.02	8" x 8"
2210CW/88-ABR	10 x 0.002	4.5 x 1g	160 x 0.05	8" x 8"
2225CW/88-ABR	25 x 0.005	11.3 x 2g	400 x 0.1	8" x 8"
2202CW-ABR <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"
2205CW-ABR	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"
2210CW-ABR	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"
2225CW-ABR	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"
2250CW-ABR	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"
2225CW/12-ABR	25 x 0.005	11.3 x 2g	400 x 0.1	12" x 12"
2250CW/12-ABR	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"
22100CW/12-ABR	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"



## SS Checkweigher Scale

MODEL	CAPACITY (LB)	CAPACITY (KG x G)	CAPACITY (OZ)	PLATFORM SIZE
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### With 14" Column - Ships Attached

2202CW-C14 <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"
2205CW-C14	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"
2210CW-C14	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"
2225CW-C14	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"
2250CW-C14	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"
2225CW/12-C14	25 x 0.005	11.3 x 2g	400 x 0.1	12" x 12"
2250CW/12-C14	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"
22100CW/12-C14	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"
2250CW/15-C14	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"
22100CW/15-C14	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"
22200CW/15-C14	200 x 0.05	91 x 20g	3200 x 1	15" x 15"



### With 20" Column - Ships Separately

2250CW/15-C20	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"
22100CW/15-C20	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"
22200CW/15-C20	200 x 0.05	91 x 20g	3200 x 1	15" x 15"
22100CW/18S-C20	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"
22250CW/18S-C20	250 x 0.05	113 x 20g	4000 x 1	18" x 18"
22500CW/18S-C20	500 x 0.1	227 x 50g	8000 x 2	18" x 18"
22250CW/1824-C20	250 x 0.05	113 x 20g	4000 x 1	18" x 24"
22500CW/1824-C20	500 x 0.1	227 x 50g	8000 x 2	18" x 24"
22250CW/2424-C20	250 x 0.05	113 x 20g	4000 x 1	24" x 24"
22500CW/2424-C20	500 x 0.1	227 x 50g	8000 x 2	24" x 24"
221000CW/2424-C20	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"



### PFS Series SS Portable Floor Scale with the 2200CW Indicator

22250CW-PFS	250 x 0.05	113 x 20g	4000 x 1	24" x 24"
22500CW-PFS	500 x 0.1	227 x 50g	8000 x 2	24" x 24"
221000CW-PFS	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"



**NOTE** <sup>1</sup> Not Legal for Trade

# SS Checkweigher Scale

## CALIBRATION OPTIONS

Super Precision Calibration (Part#: EXOPT310-BB-CCLB).....  
 Scales will be factory calibrated to 10,000d upgraded with high resolution load cell.  
 Note: BB is D7 8x8, 10x10; D8 for 12x12; D9 for 15x15; DS for 18x18, 18x24 and 24x24 bases.  
 CC is base capacity in LB.

## POWER OPTIONS



Internal Rechargeable Battery (Part#: EXOPT319) .....  
 Provides a truly portable and versatile digital bench scale. The rechargeable battery provides up to 60 hours of continuous use.

External 6-12VDC Power (Part#: EXOPT307).....  
 Includes: 2 pin in-line connector on a 6" length of cable with the mating connector attached to a 21" length of two conductor cable. Connectors have a washdown rating of IP68.

## COMMUNICATIONS & DATA OUTPUT OPTIONS

Bluetooth Internal Communications & USB Adapter<sup>1,2</sup> (Part#: EXOPT300).....  
 Includes: Internal class 3 Bluetooth communication option and one class 1 Bluetooth receiver USB Adapter. Can be combined with USB Option (EXOPT304)

Internal Bluetooth Communications Only<sup>1,2</sup> (Part#: EXOPT301).....  
 Includes: Internal class 3 Bluetooth communication option

Ethernet - Wired<sup>1,2</sup> (Part#: EXOPT302).....  
 Includes: Internal Ethernet interface board with sealed RJ45 connector on the back of the scale. Can be combined with USB and 4-20mA options.

Washdown Safe RJ45 Ethernet Connector Field Install Kit (Part#: EXOPT150).....  
 Includes: One NEMA4X connector to mate to the connector on the back of the scale. Installs on customer supplied cable. Requires a RJ45 cable crimping tool.

Ethernet - Wireless 802.11b/g<sup>1,2</sup> (Part#: EXOPT303).....  
 Includes: Internal Ethernet interface board and a 3.5" long flexible antenna with a NEMA4X bulkhead mount on back of meter. Can be combined with USB Option.

USB Communications<sup>1</sup> (Part#: EXOPT304).....  
 Includes: Internal USB interface board and a sealed USB Type B connector bulkhead mounted on side of meter with a NEMA 4X sealing cap. For scales used in wet environment, choose one the following USB Waterproof Cables (IP67 and NEMA 4X Rated). This option can be combined with Ethernet, Wireless Ethernet, Bluetooth and 4-20mA options.

USB Waterproof Cable, 10 Feet Long (IP67 Rated) (Part#: EXOPT305).....

USB Internal Cable for Wired Ethernet (EXOPT302), WiFi (EXOPT303) and Bluetooth (EXOPT301) options (Part#: WCB0261).....

USB Bulkhead Connector for WiFi and Wired Ethernet Options (Part#: EXOPT311).....  
 Provides bulkhead USB connector to access USB communications option when using in addition to WiFi (EXOPT303) and Ethernet (EXOPT302) options.

4-20mA Analog Output<sup>2</sup> (Active Only) Option (Part#: EXOPT306).....  
 Includes: Internal 4-20mA interface board (12-bit accuracy) & 12 feet of cable. This option can be combined with the USB Interface Option and Ethernet Option.

**NOTES** <sup>1</sup> This option is not field installable, call Doran for more details.

<sup>2</sup> The following combination of Communication & Data Options are possible:

**a.** Wired Ethernet + 4-20 + USB    **b.** Bluetooth + USB    **c.** Wireless Ethernet + USB

## SS Checkweigher Scale

### COLUMN OPTIONS

Upgrade from 20" to 30" Atlas Column (Part#: EXOPT134) .....

### SCALE VEIL

Clear protective scale veil (Pack of 3) (Part#: SUB0852) .....

### SERIAL DATA COMMUNICATIONS OPTIONS

RS-232 Serial Data Output, 10 ft. long cable, 9 pin FEMALE D connector (Scale to PC Connection) (Part#: EXOPT119) .....

RS-232 Serial Data Output, 10 ft. long cable, 9 pin MALE D connector (Scale to Printer Connection) (Part#: EXOPT148) .....

**NOTE** Serial data output default settings are 9600 baud, 8 bits, no parity, and one stop bit.

### LOAD CELL OPTIONS

Stainless Steel Load Cell<sup>2</sup> for 8" x 8", 10" x 10" Base (Part#: EXOPT136-CCLB) .....

2 lb capacity is not supported by this option

Stainless Steel Load Cell<sup>2</sup> for 12" x 12" Base (Part#: EXOPT137-CCLB) .....

Stainless Steel Load Cell<sup>2</sup> for 15" x 15" Base (Part#: EXOPT138-CCLB) .....

Stainless Steel Load Cell for 18" x 18", 18" x 24", or 24" x 24" Base (Part#: EXOPT179-CCLB) .....

**NOTES** <sup>1</sup> Serial data output default settings are 9600 baud, 8 bits, no parity, and one stop bit.

<sup>2</sup> Stainless steel load cell options are not recommended for 10,000d resolution.

CC is scale capacity in LB. This applies to entire Load Cell options section.

### PRINTER OPTIONS

Barcode Label Printer (Part#: PRT0350-C) .....

Thermal label printer includes scale to printer cable. Washdown stainless steel enclosure available – call for quote.

Custom Label Formatting (Part#: CUSTOM-LABEL) .....

Formatting for one label. Complex labels may require an additional charge.

Impact Printer (Part#: PRT0351-C) .....

Paper tape printer includes scale to printer cable.



Stainless Steel Printer Enclosure (Part#: PRT0056) .....

Washdown Safe.

### DATA COLLECTION AND MANAGEMENT SOFTWARE

This scale is compatible with the following software. See the Systems and Software section for more details.

CheckWay Configuration Software (Part#: SFT0005) .....

Excelerator Data Collection Software (Part#: SFT0001) .....

Dimension Indicator Configuration Software (Part#: SFT0017) .....

QC Weigh Software (Part#: SFT0006) .....

# SS Checkweigher Scale

## REMOTE SWITCH OPTIONS

- Remote Zero Switch (non-washdown) (Part#: EXOPT115) .....
- Remote Print Switch (non-washdown) (Part#: EXOPT116) .....
- Remote Units Switch (non-washdown) (Part#: EXOPT117) .....

**NOTE** All switches include a 10 ft. cable. Dimensions of standard switch are 3-1/2" x 2-5/8" x 1". Washdown available on quote.

## QUICK DISCONNECT OPTIONS

- Load Cell Cable Quick Disconnect - Bulkhead Mount\* (IP68 Rated) (Part#: EXOPT140) .....  
8 pin bulkhead mount on the back of the indicator & the mating connector is attached to the load cell cable.
- Remote Switch Quick Disconnect - Bulkhead Mount\* (IP68 Rated) (Part#: EXOPT141) .....  
4 pin bulkhead mount on the back of the indicator & the mating connector is attached to the remote switch cable. Does NOT include the remote switch.
- Serial Cable (DB9 - Female) Quick Disconnect - Bulkhead Mount\* (IP68 Rated) (Part#: EXOPT172) .....  
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 female connector.
- Serial Cable (DB9 - Male) Quick Disconnect - Bulkhead Mount\* (IP68 Rated) (Part#: EXOPT174) .....  
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 male connector.
- Barcode Scanner Quick Disconnect - Bulkhead Mount\* (IP68 Rated) (Part#: EXOPT185) .....  
6 pin bulkhead mount on the back of the indicator & mating connector is attached to included 10' barcode scanner cable (Barcode scanner not included).

**NOTE** \* This option is not field installable, call Doran for more details.

## EXTRA HOLE

- Drill Extra Hole in Backplate (Part#: EXOPT316).....  
Required for multiple RS-232 communication options and remote switches.  
Consult factory when ordering multiple communication options.

## RELAY OPTIONS - INTERNAL

- Internal Relay Option (Part#: EXOPT106).....  
Includes: Internal relay board, with sockets to accept up to four relays. Also includes an attached six foot long cable with color-coded leads. Relays can be configured as normally open or closed.
- NOTES** - One or more of the following relays must be ordered with this option.  
- This option CAN NOT be ordered with the Internal Rechargeable Battery option.
- Mechanical Relay (Part#: EXOPT317) .....  
10 Amp - 250VAC/30VDC (12V Coil)
- Solid State Relay- AC (Part#: EXOPT109) .....  
2 Amp - 100-240VAC
- Solid State Relay - DC (Part#: EXOPT110) .....  
2 Amp - 5-48VDC

# SS Checkweigher Scale

## RELAY OPTIONS - EXTERNAL

External Relay Option (Part#: EXOPT107).....

Includes: 10" x 7" housing with 5 volt power supply and DIN rail to accommodate up to 8 mechanical or solid state relays. Relays can be configured as normally open or closed. One or more of the following external relays must be ordered with this option.

- NOTES**
- One or more of the following relays must be ordered with this option.
  - This option **CAN NOT** be ordered with the Internal Rechargeable Battery option.

Mechanical Relay with DIN mount terminal socket (Part#: EXOPT196).....

10 Amp - 250VAC/30VDC (6V Coil)

Solid State Relay - AC with DIN mount terminal socket (Part#: EXOPT112).....

2 Amp - 100-240VAC

Solid State Relay - DC with DIN mount terminal socket (Part#: EXOPT113).....

2 Amp - 5-48VDC

## GENERAL DUTY BARCODE SCANNER

General Duty Barcode Scanner (Part#: EXOPT178).....

Includes: Handheld barcode wand with 6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 12' long cable.

- NOTE** This option **CAN NOT** be ordered with Internal Rechargeable Battery option.

## HEAVY DUTY BARCODE SCANNER

Heavy Duty Barcode Scanner (Part#: EXOPT177).....

Includes: Handheld barcode wand with 6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 12' long cable.

- NOTE** This option **CAN NOT** be ordered with Internal Rechargeable Battery option.



## BARCODE SCANNER COMPARISON CHART

	TEMP. RATING	MECH. SHOCK RATING	ESD PROTECTION	WATER & DUST PROTECTION	SCAN WIDTH	RESOLUTION	PRINT CONTRAST
EXOPT178	32° to 113° F	Withstands 10 five foot drops to concrete	Functional after 15kV discharge	IP42	4" width at 5" from label	5 mils	25% or higher
EXOPT177	-22° to 122° F	Withstands 50 six and a half foot drops to concrete	Functional after multiple 25kV discharge	IP65	6" width at 7" from label	4 mils	20% or greater

# SS Checkweigher Scale

## AUDIBLE ALARM OPTIONS - INTERNAL

1, 2, or 3 audible alarms for "Over", "Accept", or "Under", varying tones and volume control - specify tone at time of order (3 maximum). Alarms are rated NEMA 4X.

Accept	Chime	(Part#: EXOPT322).....
Over	Continuous	(Part#: EXOPT323).....
Under	Warble	(Part#: EXOPT324).....

**NOTES** - This option *CAN NOT* be ordered with Internal Rechargeable Battery option.  
 - Audible Alarm Options are *NOT* field-installable, call factory for more details.

## LIGHT TOWER BASES

Light Tower Pole Mount Base\* (Part#: EXOPT191).....  
 Includes: 11" tall light tower base. Constructed of heavy duty industrial polycarbonate, light towers are rated NEMA 4X and IP65. Light tower bases must be ordered with at least one light module. 19", 31" and 39" heights also available. Call for pricing.

Light Tower Backplate Mount Base\* (Part#: EXOPT198).....  
 Includes: backplate mount light tower base. Constructed of heavy duty industrial polycarbonate, light tower is rated NEMA 4X and IP65. This light tower base is attached to the 2200CW indicator backplate.

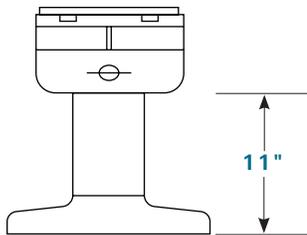
**NOTE** This option *CAN NOT* be ordered with Internal Rechargeable Battery option.

## LIGHT MODULES

Red Light Modules (Over)\* (Part#: EXOPT192).....  
 Includes: 2.83" tall light module with a 100,000 hour, red LED bulb.  
 Constructed of heavy duty industrial polycarbonate, light module is rated NEMA 4X and IP65. 1.97" Diameter

Green Light Modules (Accept)\* (Part#: EXOPT193).....  
 Includes: 2.83" tall light module with a 100,000 hour, green LED bulb.  
 Constructed of heavy duty industrial polycarbonate, light module is rated NEMA 4X and IP65. 1.97" Diameter

Yellow Light Modules (Under)\* (Part#: EXOPT194).....  
 Includes: 2.83" tall light module with a 100,000 hour, yellow LED bulb.  
 Constructed of heavy duty industrial polycarbonate, light module is rated NEMA 4X and IP65. 1.97" Diameter



Light Tower Pole Mount Base  
EXOPT191

**NOTE** \* This option is not field installable, call Doran for more details. Light tower options not available with Battery option.

# SS Checkweigher Scale

## KEY FEATURES

### Indicator

- Built in America
- Checkweigh with 3 or 5 zone checkweighing operations
- Optional audible alarms
- 304 stainless steel construction
- IP69K washdown protection
- Bright red, 0.8" tall 6 digit LED display
- Units of measure: lb, kg, oz, g, or lb:oz
- Legal for trade in US and Canada
- Dimension configuration software

### Scale Base

- 304 stainless steel construction
- Quad-Spring base design provides 1000% overload protection in scale bases from 8" x 8" to 15" x 15"
- Six-point overload protection in bases 18" x 18" and larger provides 300% overload protection
- Available in multiple configuration options (shown here with 14" column)



## SPECIFICATIONS

<b>Warranty:</b>	Two Years
<b>Power Input:</b>	100 - 240VAC 50/60Hz
<b>Optional Battery:</b>	Internal rechargeable battery, 60 hrs. of continuous use
<b>Optional Communication Interfaces:</b>	Ethernet, WiFi-802.11b/g, USB, Bluetooth, or 4-20 mA
<b>Resolution Range:</b>	200d to 50,000d
<b>Number of Load Cells:</b>	Up to 8, 350 Ohm
<b>Serial Interface:</b>	Two Bi-directional RS-232 ports
<b>Controls:</b>	Zero, Over, Under, Units, and Print
<b>Digital I/O:</b>	Two remote switch inputs
<b>Temperature Range:</b>	14° to 140° F (-10° to +40° C)
<b>Analog Sensitivity:</b>	0.16 $\mu$ V/e min., 0.5 $\mu$ V/e typical
<b>System Linearity:</b>	0.01% full scale
<b>Analog Signal Range:</b>	-0.5 mV/V to 5mV/V 4 & 6 wire input
<b>Excitation Voltage:</b>	5 VDC

## APPROVALS

### U.S. Legal for Trade - NTEP

#### Indicator

CC# 06-101A2 (10,000d)

#### Bases 8" x 8" to 15" x 15"

CC# 97-097A1 (5,000d)

#### Bases 18" x 18" to 24" x 24"

CC# 13-110 (5,000d)



### Canadian Legal for Trade - Measurement Canada

#### Indicator

CC# AM-5201 (10,000d)

#### Bases 8" x 8" to 15" x 15"

CC# 97-097A1 (5,000d)

#### Bases 18" x 18" to 24" x 24"

CC# 13-110 (5,000d)



# SS Checkweigher Scale

MODEL	CAPACITY (LB)	CAPACITY (KG x G)	CAPACITY (OZ)	PLATFORM SIZE
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**Indicator Only**

4300M

**With U-Bracket**

4302/88 <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	8" x 8"
4305/88	5 x 0.001	2.3 x 0.5g	80 x 0.02	8" x 8"
4310/88	10 x 0.002	4.5 x 1g	160 x 0.05	8" x 8"
4325/88	25 x 0.005	11.3 x 2g	400 x 0.1	8" x 8"
4302 <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"
4305	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"
4310	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"
4325	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"
4350	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"
4325/12	25 x 0.005	11.3 x 2g	400 x 0.1	12" x 12"
4350/12	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"
43100/12	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"
4350/15	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"
43100/15	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"
43200/15	200 x 0.05	91 x 20g	3200 x 1	15" x 15"
43100/18S	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"
43250/18S	250 x 0.05	113 x 20g	4000 x 1	18" x 18"
43500/18S	500 x 0.1	227 x 50g	8000 x 2	18" x 18"
43250/1824	250 x 0.05	113 x 20g	4000 x 1	18" x 24"
43500/1824	500 x 0.1	227 x 50g	8000 x 2	18" x 24"
43250/2424	250 x 0.05	113 x 20g	4000 x 1	24" x 24"
43500/2424	500 x 0.1	227 x 50g	8000 x 2	24" x 24"
431000/2424	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"



**With Attachment Bracket - Ships Attached**

4302/88-ABR <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	8" x 8"
4305/88-ABR	5 x 0.001	2.3 x 0.5g	80 x 0.02	8" x 8"
4310/88-ABR	10 x 0.002	4.5 x 1g	160 x 0.05	8" x 8"
4325/88-ABR	25 x 0.005	11.3 x 2g	400 x 0.1	8" x 8"
4302-ABR <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"
4305-ABR	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"
4310-ABR	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"
4325-ABR	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"
4350-ABR	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"
4325/12-ABR	25 x 0.005	11.3 x 2g	400 x 0.1	12" x 12"
4350/12-ABR	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"
43100/12-ABR	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"



## SS Checkweigher Scale

MODEL	CAPACITY (LB)	CAPACITY (KG x G)	CAPACITY (OZ)	PLATFORM SIZE
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### With 14" Column - Ships Attached

4302-C14 <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"
4305-C14	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"
4310-C14	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"
4325-C14	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"
4350-C14	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"
4325/12-C14	25 x 0.005	11.3 x 2g	400 x 0.1	12" x 12"
4350/12-C14	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"
43100/12-C14	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"
4350/15-C14	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"
43100/15-C14	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"
43200/15-C14	200 x 0.05	91 x 20g	3200 x 1	15" x 15"



### With 20" Column - Ships Separately

4350/15-C20	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"
43100/15-C20	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"
43200/15-C20	200 x 0.05	91 x 20g	3200 x 1	15" x 15"
43100/18S-C20	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"
43250/18S-C20	250 x 0.05	113 x 20g	4000 x 1	18" x 18"
43500/18S-C20	500 x 0.1	227 x 50g	8000 x 2	18" x 18"
43250/1824-C20	250 x 0.05	113 x 20g	4000 x 1	18" x 24"
43500/1824-C20	500 x 0.1	227 x 50g	8000 x 2	18" x 24"
43250/2424-C20	250 x 0.05	113 x 20g	4000 x 1	24" x 24"
43500/2424-C20	500 x 0.1	227 x 50g	8000 x 2	24" x 24"
431000/2424-C20	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"



### PFS Series SS Portable Floor Scale with the 4300 Indicator

43250-PFS	250 x 0.05	113 x 20g	4000 x 1	24" x 24"
43500-PFS	500 x 0.1	227 x 50g	8000 x 2	24" x 24"
431000-PFS	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"



**NOTE** <sup>1</sup> Not Legal for Trade

# SS Checkweigher Scale

## CALIBRATION OPTIONS

- Super Precision Calibration (Part#: EXOPT310-BB-CCLB).....  
 Scales will be factory calibrated to 10,000d upgraded with high resolution load cell.  
 Note: BB is D7 8x8, 10x10; D8 for 12x12; D9 for 15x15; DS for 18x18, 18x24 and 24x24 bases.  
 CC is base capacity in LB.

## POWER OPTIONS

-  Internal Rechargeable Battery (Part#: EXOPT308).....  
 Provides a truly portable and versatile digital bench scale. The rechargeable battery provides up to 60 hours of continuous use.
- External 6-12VDC Power (Part#: EXOPT307).....  
 Includes: 2 pin in-line connector on a 6" length of cable with mating connector attached to a 21' length of two conductor cable. Connectors have a washdown rating of IP68

## COMMUNICATIONS & DATA OUTPUT OPTIONS

- Bluetooth & USB Adapter<sup>1,2</sup> (Part#: EXOPT300).....  
 Includes: Internal class 3 Bluetooth communication option and one class 1 Bluetooth receiver USB Adapter for PC. Can be combined with USB Option (EXOPT304)
- Bluetooth<sup>1,2</sup> (Part#: EXOPT301).....  
 Internal class 3 Bluetooth communication option. Used with Doran supplied USB adapter.
- Ethernet - Wired<sup>1,2</sup> (Part#: EXOPT302).....  
 Includes: Internal Ethernet interface board with sealed RJ45 connector on the rear of scale.  
 Can be combined with USB and 4-20mA options.
- Washdown Safe RJ45 Ethernet Connector Field Install Kit (Part#: EX-OPT302).....  
 Includes: One NEMA 4X connector to mate to the connector on the rear of the scale.  
 Installs on customer supplied cable. Requires a RJ45 cable crimping tool.
- Ethernet - Wireless 802.11b/g<sup>1,2</sup> (Part#: EXOPT303).....  
 Includes: Internal Ethernet interface board and a 3.5" long flexible antenna with a IP65 bulkhead mount on back of meter. Can be combined with USB Option.
- USB Communications <sup>1</sup> (Part#: EXOPT304).....  
 Includes: Internal USB interface board and a sealed USB Type B connector bulkhead mounted on sided of meter with NEMA 4X sealing cap. For scales used in wet environment, choose one of the following USB Waterproof Cables (IP67 and NEMA 4X Rated). This option can be combined with Ethernet, Wireless Ethernet, Bluetooth and 4-20mA options.
- USB Waterproof Cable, 10 ft. Long (IP67 Rated) (Part#: EXOPT305).....
- USB Internal Cable for Wired Ethernet (EXOPT302), WiFi (EXOPT303) and Bluetooth (EXOPT301) options (Part#: WCB0261).....
- USB Bulkhead Connector for WiFi andd Wired Ethernet Options (Part#: EX-OPT311).....  
 Provides bulkhead USB connector to access USB communications option when using in addition to WiFi (EXOPT303) and Ethernet (EXOPT302) options.
- 4-20mA Analog Output<sup>2</sup> (Active Only) Option (Part#: EXOPT306).....  
 Provides bulkhead USB connector to access USB communications option when using in addition to WiFi (EXOPT303) and Ethernet (EXOPT302) options.

**NOTES** <sup>1</sup> This option is not field installable, call Doran for more details.

<sup>2</sup> The following combination of Communication & Data Options are possible:

**a.** Wired Ethernet + 4-20 + USB **b.** Bluetooth + USB **c.** Wireless Ethernet + USB

# SS Checkweigher Scale

## COLUMN OPTION

Upgrade from 20" to 30" Atlas Column (Part#: EXOPT134).....

## SCALE VEIL

Clear Vinyl Protective Scale Veil Three (3) Pack (Part#: SUB0852).....

## SERIAL DATA COMMUNICATIONS OPTIONS

RS-232 Serial Data Output, 10 ft. long cable, 9 pin FEMALE D connector (Scale to PC Connection) (Part#: EXOPT119) .....

RS-232 Serial Data Output, 10 ft. long cable, 9 pin MALE D connector (Scale to Printer Connection) (Part#: EXOPT148) .....

**NOTE** Serial data output default settings are 9600 baud, 8 bits, no parity, and one stop bit.

## LOAD CELL OPTIONS

Stainless Steel Load Cell for 8" x 8", 10" x 10" Base (Part#: EXOPT136-CCLB).....  
2 lb capacity is not supported by this option

Stainless Steel Load Cell for 12" x 12" Base (Part#: EXOPT137-CCLB) .....

Stainless Steel Load Cell for 15" x 15" Base (Part#: EXOPT138-CCLB) .....

Stainless Steel Load Cell for 18" x 18", 18" x 24", or 24" x 24" Base (Part#: EXOPT179-CCLB) .....

**NOTE** Stainless steel load cell options are not recommended for 10,000d resolution. Cannot be used in Legal for Trade applications. CC is scale capacity in LB. This applies to entire Load Cell options section.

## PRINTER OPTIONS

Barcode Label Printer (Part#: PRT0350-C).....  
Thermal label printer includes scale to printer cable. Washdown stainless steel enclosure available – call for quote.

Custom Label Formatting (Part#: CUSTOM-LABEL) .....

Formatting for one label. Complex labels may require an additional charge.

Impact Printer (Part#: PRT0351-C).....  
Paper tape printer includes scale to printer cable.

 Stainless Steel Printer Enclosure (Part#: PRT0056) .....

Washdown Safe.

## DATA COLLECTION AND MANAGEMENT SOFTWARE

This scale is compatible with the following software. See the Weighing Systems section for more details.

Excelerator Data Collection Software (Part#: SFT0001).....

Dimension Indicator Configuration Software (Part#: SFT0017).....

# SS Checkweigher Scale

## REMOTE SWITCH OPTIONS

- Remote Zero Switch (non-washdown) (Part#: EXOPT115) .....
- Remote Print Switch (non-washdown) (Part#: EXOPT116) .....
- Remote Units Switch (non-washdown) (Part#: EXOPT117) .....

**NOTE** All switches include a 10 ft. cable. Dimensions of standard switch are 3-1/2" x 2-5/8" x 1". Washdown available on quote.

## QUICK DISCONNECT OPTIONS

- Load Cell Cable Quick Disconnect - Bulkhead Mount (IP68 Rated) (Part#: EXOPT140).....  
8 pin bulkhead mount on the back of the indicator & the mating connector is attached to the load cell cable.
- Remote Switch Quick Disconnect - Bulkhead Mount (IP68 Rated) (Part#: EXOPT141).....  
4 pin bulkhead mount on the back of the indicator & the mating connector is attached to the remote switch cable. Does NOT include remote switch.
- Serial Cable (DB9 - Female) Quick Disconnect - Bulkhead Mount (IP68 Rated) (Part#: EXOPT172).....  
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10 ft. long serial cable with female connector.
- Serial Cable (DB9 - Male) Quick Disconnect - Bulkhead Mount (IP68 Rated) (Part#: EXOPT174) .....

**NOTE** Quick disconnect options are not field installable.

## EXTRA HOLE

- Drill Extra Hole in Backplate (Part#: EXOPT316).....  
Required for multiple RS-232 communication options and remote switches.  
Consult factory when ordering multiple communication options.

## AUDIBLE ALARM OPTIONS - INTERNAL

1, 2, or 3 audible alarms for "Over", "Accept", or "Under", varying tones and volume control - specify tone at time of order (3 maximum). Alarms are rated NEMA 4X.

- |        |            |                        |
|--------|------------|------------------------|
| Accept | Chime      | (Part#: EXOPT312)..... |
| Over   | Continuous | (Part#: EXOPT313)..... |
| Under  | Warble     | (Part#: EXOPT314)..... |

**NOTES** - This option CAN NOT be ordered with Internal Rechargeable Battery option.  
- Audible Alarm Options are NOT field-installable, call factory for more details.

# SS Checkweigher Scale

## LIGHT TOWER BASES

Light Tower Pole Mount Base\* (Part#: EXOPT320).....  
Includes: 11" tall light tower base. Constructed of heavy duty industrial polycarbonate, light towers are rated NEMA 4X and IP65. Light tower bases must be ordered with at least one light module. 19", 31" and 39" heights also available. Call for pricing.

Light Tower Backplate Mount Base\* (Part#: EXOPT321).....  
Includes: backplate mount light tower base. Constructed of heavy duty industrial polycarbonate, light tower is rated NEMA 4X and IP65. This light tower base is attached to the 2200CW indicator backplate.

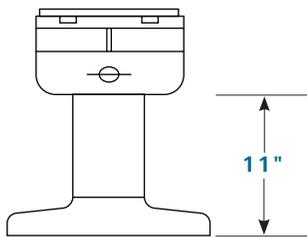
**NOTE** This option *CAN NOT* be ordered with Internal Rechargeable Battery option.

## LIGHT MODULES

Red Light Modules (Over)\* (Part#: EXOPT192).....  
Includes: 2.83" tall light module with a 100,000 hour, red LED bulb.  
Constructed of heavy duty industrial polycarbonate, light module is rated NEMA 4X and IP65. 1.97" Diameter

Green Light Modules (Accept)\* (Part#: EXOPT193).....  
Includes: 2.83" tall light module with a 100,000 hour, green LED bulb.  
Constructed of heavy duty industrial polycarbonate, light module is rated NEMA 4X and IP65. 1.97" Diameter

Yellow Light Modules (Under)\* (Part#: EXOPT194).....  
Includes: 2.83" tall light module with a 100,000 hour, yellow LED bulb.  
Constructed of heavy duty industrial polycarbonate, light module is rated NEMA 4X and IP65. 1.97" Diameter



Light Tower Pole Mount Base  
EXOPT191

**NOTE** \* This option is not field installable, call Doran for more details. Light tower options not available with Battery option.

## SS Bench Scale

## KEY FEATURES

## Indicator

- One Button - Easy to Operate
- 304 stainless steel construction
- IP69K washdown protection
- Checkweigh feature - Over, Accept and Under
- Available in multiple configuration options (shown here with U-bracket)

## Scale Base

- 304 stainless steel construction
- Quad-Spring base design provides 1000% overload protection in scale bases from 8" x 8" to 15" x 15"
- Six-point overload protection in bases 18" x 18" and larger provides 300% overload protection



## SPECIFICATIONS

<b>Warranty:</b>	Two Years
<b>Power Input:</b>	115 VAC 50/60 Hz
<b>Resolution Range:</b>	200d to 50,000d
<b>Number of Load Cells:</b>	Up to 8, 350 Ohm
<b>Serial Interface:</b>	One Bi-directional RS-232 port
<b>Controls:</b>	Zero
<b>Digital I/O:</b>	Two remote switch inputs
<b>Temperature Range:</b>	14° to 140° F (-10° to +40° C)
<b>Analog Sensitivity:</b>	0.11 mV/V to 7Mv/V
<b>System Linearity:</b>	0.01% full scale
<b>Analog Signal Range:</b>	-0.5 mV/V to 5mV/V 4 & 6 wire input
<b>Excitation Voltage:</b>	5 VDC

## APPROVALS

## U.S. Legal for Trade - NTEP

## Indicator

CC# 06-101A2 (10,000d)

## Bases 8" x 8" to 15" x 15"

CC# 97-097A1 (5,000d)

## Bases 18" x 18" to 24" x 24"

CC# 13-110 (5,000d)



## Canadian Legal for Trade - Measurement Canada

## Bases 8" x 8" to 15" x 15"

CC# 97-097A1 (5,000d)

## Bases 18" x 18" to 24" x 24"

CC# 13-110 (5,000d)



# SS Bench Scale

MODEL	CAPACITY (LB)	CAPACITY (KG x G)	CAPACITY (OZ)	PLATFORM SIZE
<b>Indicator Only</b>				
7400M				
<b>With U-Bracket</b>				
7402/88 <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	8" x 8"
7405/88	5 x 0.001	2.3 x 0.5g	80 x 0.02	8" x 8"
7410/88	10 x 0.002	4.5 x 1g	160 x 0.05	8" x 8"
7425/88	25 x 0.005	11.3 x 2g	400 x 0.1	8" x 8"
7402 <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"
7405	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"
7410	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"
7425	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"
7450	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"
7450/12	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"
74100/12	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"
7450/15	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"
74100/15	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"
74200/15	200 x 0.05	91 x 20g	3200 x 1	15" x 15"
74100/18S	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"
74250/18S	250 x 0.05	113 x 20g	4000 x 1	18" x 18"
74500/18S	500 x 0.1	227 x 50g	8000 x 2	18" x 18"
74250/1824	250 x 0.05	113 x 20g	4000 x 1	18" x 24"
74500/1824	500 x 0.1	227 x 50g	8000 x 2	18" x 24"
74250/2424	250 x 0.05	113 x 20g	4000 x 1	24" x 24"
74500/2424	500 x 0.1	227 x 50g	8000 x 2	24" x 24"
741000/2424	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"
<b>With Attachment Bracket - Ships Attached</b>				
7402/88-ABR <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	8" x 8"
7405/88-ABR	5 x 0.001	2.3 x 0.5g	80 x 0.02	8" x 8"
7410/88-ABR	10 x 0.002	4.5 x 1g	160 x 0.05	8" x 8"
7425/88-ABR	25 x 0.005	11.3 x 2g	400 x 0.1	8" x 8"
7402-ABR <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"
7405-ABR	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"
7410-ABR	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"
7425-ABR	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"
7450-ABR	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"
7450/12-ABR	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"
74100/12-ABR	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"



**NOTE** <sup>1</sup> Not Legal for Trade

## SS Bench Scale

MODEL	CAPACITY (LB)	CAPACITY (KG x G)	CAPACITY (OZ)	PLATFORM SIZE
<b>With 14" Column - Ships Attached</b>				
7402-C14 <sup>1</sup>	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"
7405-C14	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"
7410-C14	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"
7425-C14	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"
7450-C14	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"
7450/12-C14	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"
74100/12-C14	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"
7450/15-C14	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"
74100/15-C14	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"
74200/15-C14	200 x 0.05	91 x 20g	3200 x 1	15" x 15"
<b>With 20" Column - Ships Separately</b>				
7450/15-C20	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"
74100/15-C20	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"
74200/15-C20	200 x 0.05	91 x 20g	3200 x 1	15" x 15"
74100/18S-C20	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"
74250/18S-C20	250 x 0.05	113 x 20g	4000 x 1	18" x 18"
74500/18S-C20	500 x 0.1	227 x 50g	8000 x 2	18" x 18"
74250/1824-C20	250 x 0.05	113 x 20g	4000 x 1	18" x 24"
74500/1824-C20	500 x 0.1	227 x 50g	8000 x 2	18" x 24"
74250/2424-C20	250 x 0.05	113 x 20g	4000 x 1	24" x 24"
74500/2424-C20	500 x 0.1	227 x 50g	8000 x 2	24" x 24"
741000/2424-C20	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"
<b>PFS Series SS Portable Floor Scale with the 7400M Indicator</b>				
74250-PFS	250 x 0.05	113 x 20g	4000 x 1	24" x 24"
74500-PFS	500 x 0.1	227 x 50g	8000 x 2	24" x 24"
741000-PFS	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"



**NOTE** <sup>1</sup> Not Legal for Trade

# SS Bench Scale

## CALIBRATION OPTIONS

Super Precision Calibration (Part#: EXOPT310-BB-CCLB).....  
Scales will be factory calibrated to 10,000d upgraded with high resolution load cell.  
Note: BB is D7 8x8, 10x10; D8 for 12x12; D9 for 15x15; DS for 18x18, 18x24 and 24x24 bases.  
CC is base capacity in LB.

## COLUMN AND BRACKET OPTIONS

Upgrade from 20" to 30" Atlas Column (Part#: EXOPT134).....

## LOAD CELL OPTIONS

Stainless Steel Load Cell\* for 8" x 8", 10" x 10" Base (Part#: EXOPT136-CCLB) .....  
2 lb capacity is not supported by this option  
Stainless Steel Load Cell\* for 12" x 12" Base (Part#: EXOPT137-CCLB).....  
Stainless Steel Load Cell\* for 15" x 15" Base (Part#: EXOPT138-CCLB).....  
Stainless Steel Load Cell for 18" x 18", 18" x 24", or 24" x 24" Base (Part#: EXOPT179-CCLB) .....

**NOTE** \* Stainless steel load cell options are not recommended for 10,000d resolution.  
CC is scale capacity in LB. This applies to entire Load Cell options section.

## UNIT SWITCH OPTION

Optional Front Panel Mounted Units Switch (Part#: EXOPT181) .....

## MS Bench Scale



## KEY FEATURES

- Round 14" or 25" column – chrome plated
- Mild steel base
- Stainless steel platter - Long term durability
- Welded square tube base frame
- Indicator has an internal rechargeable battery – 100 hours of continuous use when fully charged
- 1.6" LCD Backlit Display
- 18 ga platter

## SPECIFICATIONS

<b>Enclosure:</b>	ABS Plastic
<b>Power Input:</b>	100 - 240VAC 50/60Hz
<b>Indicator Dimensions:</b>	9" W x 7.5" H x 2.75" D (includes u-bracket)
<b>Standard Battery:</b>	Internal rechargeable battery, 100 hours of continuous use.
<b>Resolution Range:</b>	1,000 to 30,000d
<b>Capacity Range:</b>	1 to 999,000 lb
<b>Number of Load Cells:</b>	Up to 4, 350 Ohm with 4 wire input
<b>Serial Interface:</b>	Bi-directional RS-232 port standard
<b>Controls:</b>	Total, Count, Units, Gross, Tare, Zero, Print (On/Off)
<b>Temperature Range:</b>	14° to 140° F (-10° to 40° C)
<b>Excitation Voltage:</b>	5 VDC
<b>Internal Counts:</b>	1,000,000
<b>Displayed Units:</b>	lb, kg

## APPROVALS

## U.S. Legal for Trade - NTEP

## Indicator

CC# 19-013 (10,000d)

## Bases

CC# 18-057 (5,000d)

Canadian Legal for Trade -  
Measurement Canada

## Indicator

CC# AM-6103 (10,000d)

## Bases

CC# AM-6103 (5,000d)



## MS Bench Scale

MODEL	CAPACITY (LB)	CAPACITY (KG x G)	PLATFORM SIZE	COLUMN SIZE
<b>Indicator Only</b>				
1200				
<b>Complete Scale System</b>				
1200-MSP0050	50 x 0.01	25 x 5	11.8" x 15.7"	14"
1200-MSP0100	100 x 0.02	45 x 10	11.8" x 15.7"	14"
1200-MSP1100	100 x 0.02	45 x 10	15.7" x 19.7"	25"
1200-MSP1250	250 x 0.05	113 x 20	15.7" x 19.7"	25"
1200-MSP2250	250 x 0.05	113 x 20	19.7" x 23.6"	25"
1200-MSP2500	500 x 0.1	260 x 50	19.7" x 23.6"	25"
<b>Base Only</b>				
MSP0050	50 x 0.01	25 x 5	11.8" x 15.7"	14"
MSP0100	100 x 0.02	45 x 10	11.8" x 15.7"	14"
MSP1100	100 x 0.02	45 x 10	15.7" x 19.7"	25"
MSP1250	250 x 0.05	113 x 20	15.7" x 19.7"	25"
MSP2250	250 x 0.05	113 x 20	19.7" x 23.6"	25"
MSP2500	500 x 0.1	260 x 50	19.7" x 23.6"	25"

**NOTE** The 1200 MS can be ordered with a standard Stainless Steel indicator 7000XL, 4300, 2200 or 2200CW Stainless Steel Indicator Column Bracket (Part#: ENC1034) \$35

## MS Bench Scale



## KEY FEATURES

- Cost Effective General Purpose Bench Scale
- Bright and Easy to Read LED Display
- NTEP Approved, Legal for Trade at 5,000d
- Extremely Durable Construction
- Available in multiple configuration options (shown here with MVP Bench Scale with 36" Column)

## SPECIFICATIONS

<b>Warranty:</b>	One Year
<b>Power Input:</b>	115 VAC 60Hz; Transformer, UL/ULc (230 VAC Optional)
<b>Resolution Range:</b>	200 to 12,500d
<b>Number of Load Cells:</b>	Up to 4, 350 Ohm
<b>Serial Interface:</b>	Bi-directional RS-232 port
<b>Controls:</b>	Zero, Gross/Net, Tare, Units, Print
<b>Temperature Range:</b>	14° to 140° F (-10° to 40° C)
<b>Analog Sensitivity:</b>	1.0 uV/e min.
<b>System Linearity:</b>	0.01% full scale
<b>Analog Signal Range:</b>	0.35mV/V to 3.0 mV/V
<b>Excitation Voltage:</b>	5 VDC

## APPROVALS

## U.S. Legal for Trade - NTEP

**Indicator:** CC# 05-061 (5,000d)

**Bases:** CC# 13-110 (5,000d)

Canadian Legal for Trade -  
Measurement Canada

**Bases:** CC# 13-110 (5,000d)



# MS Bench Scale

MODEL	CAPACITY (LB)	CAPACITY (KG x G)	CAPACITY (OZ)	PLATFORM SIZE
<b>Indicator Only</b>				
DS100				
<b>With U-Bracket</b>				
MVP3100	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"
MVP3250	250 x 0.05	113 x 20g	4000 x 1	18" x 18"
MVP5250	250 x 0.05	113 x 20g	4000 x 1	24" x 24"
MVP5500	500 x 0.1	227 x 50g	8000 x 2	24" x 24"
MVP51000	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"
<b>MVP Scale With 36" Tall Mild Steel Column</b>				
MVP3100-36	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"
MVP3250-36	250 x 0.05	113 x 20g	4000 x 1	18" x 18"
MVP5250-36	250 x 0.05	113 x 20g	4000 x 1	24" x 24"
MVP5500-36	500 x 0.1	227 x 50g	8000 x 2	24" x 24"
MVP51000-36	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"



## MS Bench Scale

## CALIBRATION OPTIONS

Super Precision Calibration (Part#: EXOPT310-BB-CCLB).....  
 Scales will be factory calibrated to 10,000d upgraded with high resolution load cell.  
 Note: BB is D7 8x8, 10x10; D8 for 12x12; D9 for 15x15; DS for 18x18, 18x24 and 24x24 bases.  
 CC is base capacity in LB.

## ROLLER CONVEYOR OPTIONS

Roller Conveyor for 18" x 18" Scale Base (Part#: DMSOPT05).....  
 Includes: Painted mild steel rails with six 1.9" diameter galvanized rollers on 3" centers.  
 Roller weight capacity is 250lb PER ROLLER for all roller conveyor options.

Roller Conveyor 24" x 24" for Scale Base (Part#: DMSOPT04).....  
 Includes: Painted mild steel rails with eight 1.9" diameter galvanized rollers on 3" centers.  
 Total roller conveyor option height is 3.875" for all conveyor options.  
 This size is not in stock, please call for lead time.

## BALL TRANSFER OPTIONS

Ball Transfer for 18" x 18" Scale Base (Part#: DMSOPT09).....  
 Includes: Twenty mild steel roller balls flange mounted on the 18" x 18" platter.  
 Height of ball transfer is 1.187". Maximum weight capacity is 75lb per ball.

Ball Transfer for 24" x 24" Scale Base (Part#: DMSOPT06).....  
 Includes: Twenty mild steel roller balls flange mounted on the 24" x 24" platter.  
 Height of ball transfer is 1.187". Maximum weight capacity is 75lb per ball.

## STAINLESS PLATTER OPTIONS

Stainless Steel Platter - 18" x 18" (Part#: MVPOPT004).....  
 Stainless Steel Platter - 24" x 24" (Part#: MVPOPT002).....

## MOBILITY OPTION

Mobility Kit (Part#: MVPOPT001).....  
 Includes: Four 3" Diameter Locking Swivel Casters (Hard Rubber).  
 Casters add 4" in height, for a total base height of 8.875".

## POWER AND COMMUNICATION OPTIONS

RS-232 Serial Data Output - Scale to PC (Part#: DSOPT001).....  
 Includes: 4 wire shielded cable, 10 ft., with a 9 pin FEMALE "D" connector.

230VAC Operation (Part#: DSOPT003).....

## SS Bench Scale

### KEY FEATURES

- Quad Spring 100% Overload Shockproof Base
- Rechargeable Battery/AC Power - Standard
- Stainless Steel Case and Platter
- Units of measure: lb, kg, oz, g, or lb:oz



Not a Washdown Product - Wipedown Only



### SPECIFICATIONS

<b>Warranty:</b>	Scale - One Year Battery - 90 Days
<b>Power Input:</b>	Internal rechargeable battery and wall mounted AC transformer standard
<b>Dimensions:</b>	Overall - 8.75" L x 6.5" W x 2" H Platter - 6.5" x 6.5"
<b>Serial Interface:</b>	Bi-directional RS-232
<b>Controls:</b>	On/Off, Zero, and Units
<b>Temperature Range:</b>	14° to 140° F (-10° to 40° C)
<b>System Linearity:</b>	0.01% full scale

### APPROVALS

**U.S. Legal for Trade - NTEP**

CC# 04-039A1



# SS Bench Scale

MODEL	CAPACITY (LB)	CAPACITY (KG x G)	CAPACITY (OZ)	PLATFORM SIZE
PC400-02 <sup>1</sup>	2.2 x 0.0002	1000 x 0.1	35 x 0.005	6.5" x 6.5"
PC400-02LFT	2.2 x 0.001	1000 x 0.5	35 x 0.02	6.5" x 6.5"
PC400-05	5 x 0.002	2300 x 1	80 x 0.05	6.5" x 6.5"
PC400-10	10 x 0.005	4500 x 2	160 x 0.1	6.5" x 6.5"
PC400-20	20 x 0.01	9100 x 5	320 x 0.2	6.5" x 6.5"



**NOTE** <sup>1</sup> Not Legal for Trade

Discount Level A applies to all scale options in this table.

## POWER OPTIONS

- 230 VAC Operation (Part#: PCOPT06).....  
 Includes: European transformer 220 VAC/50Hz Input
- RS-232 cable with 9 pin female connector and phono jack scale connector (Part#: PCOPT05).....

# Intrinsically Safe Indicators

8100IS Intrinsically Safe Indicator

8200IS Intrinsically Safe Indicator



## Intrinsically Safe Indicator

### KEY FEATURES

- UL Certified intrinsically safe indicator for use in hazardous locations
- Tare and Gross Net Function
- Data output via fiber optic to RS232 converter
- Two remote switch inputs
- IP6X environmental protection
- Units of measure lb, kg, oz, g
- 304 stainless steel construction
- Two Fiber Optic Channels standard



### SPECIFICATIONS

<b>Warranty:</b>	Two Years
<b>AC Power:</b>	(8AIS AC Power Supply): 100VAC 50/60 Hz
<b>Battery Power:</b>	(8BIS): 8 hours of continuous use with 36 hour charge. Requires 8CHG Battery Charger
<b>Communications:</b>	Two Fiber Optic Channels standard
<b>Optional Communication Interfaces:</b>	Fiber Optic to RS232 converter
<b>Resolution Range:</b>	200 to 100,000d
<b>Number of Load Cells:</b>	Up to 4, 350 Ohm Load Cell Entity Parameters: Uo 7.14 V, Io 0.7076 A, Po 0.895 W, Co 10.8 uF, Lo 71 uH
<b>Controls:</b>	Tare, Gross / Net, Zero, Print, Units
<b>Digital I/O:</b>	Two Remote Switch Inputs
<b>Temperature Range:</b>	14 F to 104F (-10 C to +40 C) 8CHG only: 14 F to 86 F (-10 C to +30 C)
<b>Analog Sensitivity:</b>	0.16 V/e minimum, 0.5 V/e typical
<b>System Linearity:</b>	0.01% full scale
<b>Analog Signal Range:</b>	-0.5mV/V to 5 mV/V with 4 and 6 wire input
<b>Excitation Voltage:</b>	5 VDC

### APPROVALS

#### U.S. Legal for Trade - NTEP

Indicator: CC# 06-101A2 (10,000d)



#### UL CERTIFICATE NUMBER 20190304-E485121

##### 8100IS

Intrinsically Safe indicator for use in hazardous locations

- Class I, Div 1, Groups A,B,C,D
- Class II, Div 1, Groups E,F,G
- Class III, Div. 1
- Zone 0, Group IIC
- Zone 20, Group IIIC

##### 8BIS

Intrinsically Safe battery pack for use in hazardous locations

- Class I, Division 1, Groups A, B, C, and D
- Class II, Division 1, Groups E, F and G
- Class III, Div. 1
- Zone 0, Group IIC
- Zone 20, Group IIIC

##### 8CHG

Safe area Battery Charger

Unclassified, non-hazardous locations only (Ord Loc)

##### 8AIS

Intrinsically Safe AC Input Rating

- Class I, Div 1, Groups B,C,D
- Class II, Div 1, Groups E,F,G
- Class III, Div. 1
- Class I, Zone 1, Group IIC
- Zone 21, Group IIIC
- Intrinsically Safe DC Output Rating
- Class I, Div. 1, Groups A, B, C, and D
- Class II, Div. 1, Groups E, F, and G
- Class III, Div. 1, Class I
- Zone 1, Group IIC
- Zone 21, Group IIIC



E485121

# Intrinsically Safe Indicator

## MODEL

### Indicator Only

8100IS

## POWER OPTIONS

8BIS (Part#: 8BIS).....  
Intrinsically Safe battery pack for use in hazardous locations  
Class I, II, III, Division 1, Groups A,B,C,D,E,F,G  
Zone 0, Group IIC, Zone 20, Group IIIC

**NOTE** Includes (1) Battery U-Bracket (Part# ENC0623) per indicator ordered.

Safe Area 8BIS Charger (Part#: 8CHG).....  
UL Certified, unclassified, non-hazardous locations only (Ord Loc)  
Model 8CHG Battery Charger, for use with Model 8BIS Battery Pack

8AIS (Part#: 8AIS).....  
AC Power Supply for Hazardous Locations.  
Intrinsically Safe AC Input Rating  
Class I, II, III, Division 1, Groups B,C,D,E,F,G  
Class I, Zone 1, Group IIC, Zone 21, Group IIIC  
Intrinsically Safe DC Output Rating  
Class I, II, III, Division 1, Groups A,B,C,D,E,F,G  
Zone 1, Group IIC, Zone 21, Group IIIC

## 8AIS AC CABLE OPTIONS

8AIS 3 Meter Long Extension Cable (Part#: WCB0234).....  
Indicator includes 1 meter cable

8AIS 6 Meter Long Extension Cable (Part#: WCB0235).....  
Indicator includes 1 meter cable

## LOAD CELL OPTIONS

Junction Box (Part#: 8JBX).....  
Up to 4 load cells for use in hazardous locations  
Class I, Div. 1, Groups A,B,C,D  
Class I, Zone 0, Group IIC

## COMMUNICATIONS OPTIONS

Fiber Optic to RS232 Converter (Part#: EXOPT219).....  
Unclassified Locations Only (Ord Loc). Requires EXOPT212  
Model 8FB Fiber Optic to RS232 Converter, with optical-only connections to Model 8100IS/8200IS Indicator.

Fiber Optic Cable by the meter – up to 60m (Part#: WCB0200).....

Fiber Optic Cable 60m to 70m (Part#: WCB0200-2).....

# Intrinsically Safe Indicator



## KEY FEATURES

- UL Certified intrinsically safe indicator for use in hazardous locations
- Full keypad interface
- Digital Tare and Gross Net Function
- Data output via fiber optic to RS232 converter
- Two remote switch inputs
- Checkweighing feature with 250 product IDs
- Remote display option
- IP6X environmental protection
- Units of measure lb, kg, oz, g
- 304 stainless steel construction
- Two Fiber Optic Channels standard

## SPECIFICATIONS

<b>Warranty:</b>	Two Years
<b>AC Power:</b>	(8AIS AC Power Supply): 100VAC 50/60 Hz
<b>Battery Power:</b>	(8BIS): 8 hours of continuous use with 36 hour charge. Requires 8CHG Battery Charger
<b>Communication:</b>	Two Fiber Optic Channels standard
<b>Optional Communication Interfaces:</b>	Fiber Optic to RS232 converter
<b>Resolution Range:</b>	200 to 100,000d
<b>Number of Load Cells:</b>	Up to 4, 350 Ohm Load Cell Entity Parameters: Uo 7.14 V, Io 0.7076 A, Po 0.895 W, Co 10.8 uF, Lo 71 uH
<b>Controls:</b>	Tare, Gross / Net, ZERO, Print, Units, Full keypad with decimal point, Enter, Accum, Product ID, Clear, Setpoint, F1, F2
<b>Digital I/O:</b>	Two Remote Switch Inputs
<b>Temperature Range:</b>	14 F to 104F (-10 C to +40 C) 8CHG only: 14 F to 86 F (-10 C to +30 C)
<b>Analog Sensitivity:</b>	0.16 V/e minimum, 0.5 V/e typical
<b>System Linearity:</b>	0.01% full scale
<b>Analog Signal Range:</b>	-0.5mV/V to 5 mV/V with 4 and 6 wire input
<b>Excitation Voltage:</b>	5 VDC

## APPROVALS

### U.S. Legal for Trade - NTEP

Indicator: CC# 06-101A2 (10,000d)



### UL CERTIFICATE NUMBER 20190304-E485121

#### 8200IS

Intrinsically Safe indicator for use in hazardous locations

- Class I, Div 1, Groups A,B,C,D
- Class II, Div 1, Groups E,F,G
- Class III, Div. 1
- Zone 0, Group IIC
- Zone 20, Group IIIC

#### 8BIS

Intrinsically Safe battery pack for use in hazardous locations

- Class I, Division 1, Groups A, B, C, and D
- Class II, Division 1, Groups E, F and G
- Class III, Div. 1
- Zone 0, Group IIC
- Zone 20, Group IIIC

#### 8CHG

Safe area Battery Charger

Unclassified, non-hazardous locations only (Ord Loc)

#### 8AIS

Intrinsically Safe AC Input Rating

- Class I, Div 1, Groups B,C,D
  - Class II, Div 1, Groups E,F,G
  - Class III, Div. 1
  - Class I, Zone 1, Group IIC
  - Zone 21, Group IIIC
- Intrinsically Safe DC Output Rating
- Class I, Div. 1, Groups A, B, C, and D
  - Class II, Div. 1, Groups E, F, and G
  - Class III, Div. 1, Class I
  - Zone 1, Group IIC
  - Zone 21, Group IIIC



E485121

# Intrinsically Safe Indicator

## MODEL

### Indicator Only

8200IS

8200IS-Remote Display

Order WCB0200 by the meter for connection to remote display and main indicator. Power supply required for the remote and main display.

## POWER OPTIONS

8BIS (Part#: 8BIS).....  
Intrinsically Safe battery pack for use in hazardous locations  
Class I, II, III, Division 1, Groups A,B,C,D,E,F,G  
Zone 0, Group IIC, Zone 20, Group IIIC

**NOTE** Includes (1) Battery U-Bracket (Part# ENC0623) per indicator ordered.

Safe Area 8BIS Charger (Part#: 8CHG).....  
UL Certified, unclassified, non-hazardous locations only (Ord Loc)  
Model 8CHG Battery Charger, for use with Model 8BIS Battery Pack

8AIS (Part#: 8AIS).....  
AC Power Supply for Hazardous Locations.  
Intrinsically Safe AC Input Rating  
Class I, II, III, Division 1, Groups B,C,D,E,F,G  
Class I, Zone 1, Group IIC, Zone 21, Group IIIC  
Intrinsically Safe DC Output Rating  
Class I, II, III, Division 1, Groups A,B,C,D,E,F,G  
Zone 1, Group IIC, Zone 21, Group IIIC

## 8AIS AC CABLE OPTIONS

8AIS 3 Meter Long Extension Cable (Part#: WCB0234).....  
Indicator includes 1 meter cable

8AIS 6 Meter Long Extension Cable (Part#: WCB0235).....  
Indicator includes 1 meter cable

## LOAD CELL OPTIONS

Junction Box (Part#: 8JBX).....  
Up to 4 load cells for use in hazardous locations  
Class I, Div. 1, Groups A,B,C,D  
Class I, Zone 0, Group IIC

## COMMUNICATIONS OPTIONS

Fiber Optic to RS232 Converter (Part#: EXOPT219).....  
Unclassified Locations Only (Ord Loc). Requires EXOPT212  
Model 8FB Fiber Optic to RS232 Converter, with optical-only connections to Model 8100IS/8200IS Indicator.

Fiber Optic Cable by the meter – up to 60m (Part#: WCB0200).....

Fiber Optic Cable 60m to 70m (Part#: WCB0200-2).....

# Bases

DSS Series SS Scale Base

DXL Series SS Scale Base

DMS Series MS Scale Base

# SS Scale

## KEY FEATURES

- Washdown Safe
- All Square Tube Construction
- Six Overload Stops
- IP66 Rated Load Cells
- NTEP Approved, Legal for Trade at 5,000d
- 14 ga platter



## SPECIFICATIONS

<b>Warranty:</b>	Two Years
<b>Construction:</b>	304 Stainless Steel Platter, Base and Spider
<b>Load Cell:</b>	IP66, Anodized Aluminum is standard, optional Stainless Steel is also available. 10ft cable, longer length is optional
<b>Output:</b>	2 mV/V max, full scale
<b>Overload:</b>	250 % maximum; 6 overload stops
<b>Mechanical:</b>	4 Adjustable Feet Bubble Level

## APPROVALS

### U.S. Legal for Trade - NTEP

CC# 13-110 (5,000d)



### Canadian Legal for Trade - Measurement Canada

AM-5926 (5,000d)



## SS Scale

MODEL	CAPACITY (LB/KG)	BASE SIZE
DSS3100	100lb / 45kg	18" x 18"
DSS3250	250lb / 113kg	18" x 18"
DSS3500	500lb / 227kg	18" x 18"
DSS4250	250lb / 113kg	18" x 24"
DSS4500	500lb / 227kg	18" x 24"
DSS5250	250lb / 113kg	24" x 24"
DSS5500	500lb / 227kg	24" x 24"
DSS51000	1000lb / 454kg	24" x 24"



# SS Bases

## LOAD CELL OPTIONS

Stainless Steel Load Cell for 18" x 18", 18" x 24", or 24" x 24" Base (Part#: EXOPT179-CCLB) .....

**NOTE** \* Stainless steel load cell options are not recommended for 10,000d resolution.  
CC is scale capacity in LB. This applies to entire Load Cell options section.

## ROLLER CONVEYOR OPTIONS

Roller Conveyor Option for 24" x 24" Base (SS Rollers) (Part#: DSSOPT04) .....

Includes: Stainless steel rails with six 1.9" diameter stainless steel rollers on 3" centers.  
Total roller conveyor option height is 3.875" for all conveyor options. This size is not in stock, please call for lead time.

Roller Conveyor Option for 18" x 18" Base (SS Rollers) (Part#: DSSOPT05) .....

Includes: Stainless steel rails with six 1.9" diameter stainless steel rollers on 3" centers.  
Roller weight capacity is 250lb PER ROLLER for all roller conveyor options.)

## BALL TRANSFER OPTIONS

Balltop Conveyor Option for 18" x 18" Base (SS Balltops) (Part#: DSSOPT09) .....

Includes: Twenty stainless steel roller balls flange mounted on the 18" x 18" platter.  
Height of ball transfer is 1.187". Maximum weight capacity is 75lb per ball.

Balltop Conveyor Option for 18" x 24" Base (SS Balltops) (Part#: DSSOPT10) .....

Includes: Twenty stainless steel roller balls flange mounted on the 18" x 24" platter.  
Height of ball transfer is 1.187". Maximum weight capacity is 75lb per ball.

Balltop Conveyor Option for 24" x 24" Base (SS Balltops) (Part#: DSSOPT08) .....

Includes: Twenty stainless steel roller balls flange mounted on the 24" x 24" platter.  
Height of ball transfer is 1.187". Maximum weight capacity is 75lb per ball.

## COLUMN OPTION

20" Tall Stainless Steel Column (Part#: SUB0425) .....

20" Tall - Top of platter to the middle of the indicator.

# SS Bases



## KEY FEATURES

- Washdown Safe
- 1000% Overload Protection Provided by the Quad Spring Shockproof Base
- IP66 Rated Load Cells
- NTEP Approved, Legal for Trade at 5,000d

## SPECIFICATIONS

<b>Warranty:</b>	Two Years
<b>Construction:</b>	304 Stainless Steel Platter, Base, Springs & Spider
<b>Load Cell:</b>	IP66, Anodized Aluminum is standard, optional Stainless Steel is also available. 10ft cable, longer length is optional
<b>Output:</b>	2 mV/V max, full scale
<b>Overload:</b>	5 overload stops; 4 Quad Spring Shock Absorbers
<b>Mechanical:</b>	4 Adjustable Feet Bubble Level

## APPROVALS

### U.S. Legal for Trade - NTEP

CC# 97-097A1 (5,000d)



### Canadian Legal for Trade - Measurement Canada

AM-5241 (5,000d)



# SS Bases

MODEL	CAPACITY (LB/KG)	BASE SIZE
DXL7002/88 <sup>1</sup>	2lb / 0.9kg	8" x 8"
DXL7005/88	5lb / 2.3kg	8" x 8"
DXL7010/88	10lb / 4.5kg	8" x 8"
DXL7025/88	25lb / 9.1kg	8" x 8"
DXL7002 <sup>1</sup>	2lb / 0.9kg	10" x 10"
DXL7005	5lb / 2.3kg	10" x 10"
DXL7010	10lb / 4.5kg	10" x 10"
DXL7025	25lb / 9.1kg	10" x 10"
DXL7050	50lb / 22.7kg	10" x 10"
DXL8050	50lb / 22.7kg	12" x 12"
DXL8100	100lb / 45kg	12" x 12"
DXL9050	50lb / 23kg	15" x 15"
DXL9100	100lb / 45kg	15" x 15"
DXL9200	200lb / 91kg	15" x 15"



Discount Level A applies to all scale options in this table.

### LOAD CELL OPTIONS

Stainless Steel Load Cell for 8" x 8", 10" x 10" Base (Part#: EXOPT136-CCLB) .....  
 2 lb capacity is not supported by this option

Stainless Steel Load Cell for 12" x 12" Base (Part#: EXOPT137-CCLB) .....

Stainless Steel Load Cell for 15" x 15" Base (Part#: EXOPT138-CCLB) .....

**NOTE** \* Stainless steel load cell options are not recommended for 10,000d resolution.  
 CC is scale capacity in LB. This applies to entire Load Cell options section.

### COLUMN OPTIONS

14" Tall Fixed Height Atlas Column 10"x10", 12"x12" base (Part#: SUB0417) .....  
 14" Tall - Top of platter to the middle of the indicator.

14" Tall Fixed Height Atlas Column 15"x15" base (Part#: SUB0874) .....  
 14" Tall - Top of platter to the middle of the indicator.

**NOTE** <sup>1</sup> Not Legal for Trade

# MS Bases



## KEY FEATURES

- Six Overload Stops
- Cost Effective General Purpose Scale Base
- All Square Tube Construction
- NTEP Approved, Legal for Trade at 5,000d
- 14 ga platter

## SPECIFICATIONS

<b>Warranty:</b>	Two Years
<b>Construction:</b>	Mild Steel Platter, Base and Spider
<b>Load Cell:</b>	IP66, Anodized Aluminum 10ft cable, longer length is optional
<b>Output:</b>	2 mV/V max, full scale
<b>Overload:</b>	250 % maximum; 6 overload stops
<b>Mechanical:</b>	4 Adjustable Feet Bubble Level

## APPROVALS

### U.S. Legal for Trade - NTEP

CC# 13-110 (5,000d)



### Canadian Legal for Trade - Measurement Canada

AM-5926 (5,000d)



# MS Bases

MODEL	CAPACITY (LB/KG)	BASE SIZE
DMS3050	50lb / 22kg	18" x 18"
DMS3100	100lb / 45kg	18" x 18"
DMS3250	250lb / 113kg	18" x 18"
DMS5250	250lb / 113kg	24" x 24"
DMS5500	500lb / 227kg	24" x 24"
DMS51000	1000lb / 454kg	24" x 24"



**NOTE** Additional capacities and resolutions are available upon request for an additional fee.

Discount Level A applies to all scale options in this table.

### MOBILITY OPTION

Mobility Kit (Part#: DMSOPT01) .....  
 Includes: Four 3" diameter locking swivel casters (Hard Rubber)  
 36" Tall painted steel column with handles and indicator mounting plate.  
 The indicator mounting plate accepts the DS100 indicator as well as our standard digital weight indicators.  
 Casters add 4" in height, for a total base height of 8.875".

### COLUMN OPTIONS

Tall Painted Steel Column (Part#: DMSOPT02) .....  
 36" Tall - Top of platter to the middle of the indicator.

### PLATTER OPTIONS

Stainless Steel Platter - 18" x 18" (Part#: MVPOPT004).....  
 Stainless Steel Platter - 24" x 24" (Part#: MVPOPT002).....

**ROLLER CONVEYOR OPTIONS**

Roller Conveyor Option for 18" x 18" Scale Base (Part#: DMSOPT05).....  
Includes: Painted mild steel rails with six 1.9" diameter galvanized rollers on 3" centers.  
Roller weight capacity is 250lb PER ROLLER for all roller conveyor options.)

Roller Conveyor Option for 24" x 24" Scale Base (Part#: DMSOPT04).....  
Includes: Painted mild steel rails with eight 1.9" diameter galvanized rollers on 3" centers.  
Total roller conveyor option height is 3.875" for all conveyor options. This size is not in stock,  
please call for lead time.

**BALL TRANSFER OPTIONS**

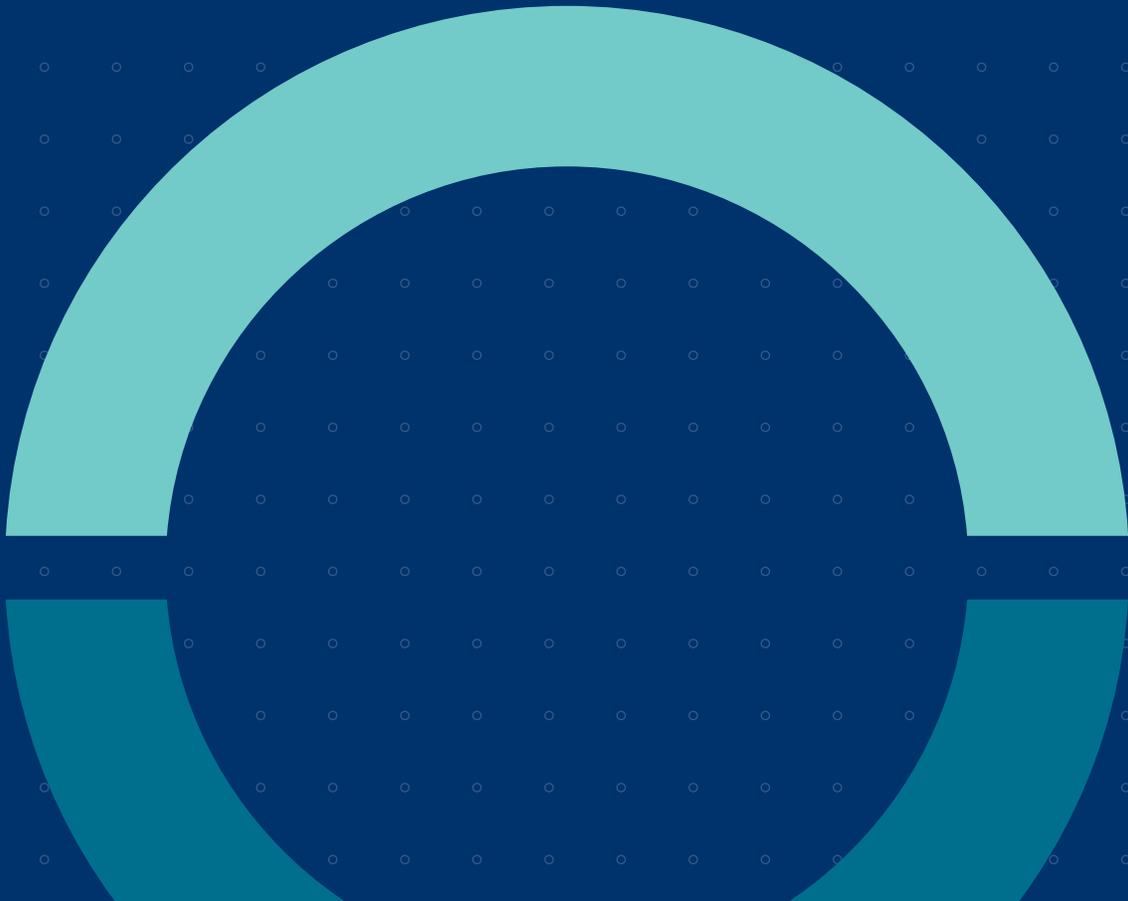
Ball Transfer Option for 18" x 18" Scale Base (Part#: DMSOPT09).....  
Includes: Twenty mild steel roller balls flange mounted on the 18" x 18" platter. Height of ball  
transfer is 1.187". Maximum weight capacity is 75lb per ball.

Ball Transfer Option for 24" x 24" Scale Base (Part#: DMSOPT06).....  
Includes: Twenty mild steel roller balls flange mounted on the 24" x 24" platter.  
Height of ball transfer is 1.187". Maximum weight capacity is 75lb per ball.



# Dockage Scale

GrainGrader



# Dockage Scale

## KEY FEATURES

- Calculates dockage (foreign material) to 0.01%
- Can be configured for three commodity cups (quart, liter, or cup)
- Test weights in pounds per bushel or kilogram per hectoliter to 0.01
- All stainless steel construction – durable and easy to clean
- Proprietary overload protection to ensure long life
- Motion detection to eliminate errors in zeroing, printing and storing sample values into Memory
- Push Button 2-Point Calibration and Parameter Programming
- NTEP certified for accuracy and legal for trade
- Two year warranty
- Built in the USA



## SPECIFICATIONS

<b>Warranty:</b>	Two Years
<b>Power:</b>	110 VAC
<b>Communications:</b>	RS232 Bi-directional Serial data to printer and/or computer
<b>Dimensions:</b>	<b>Overall</b> 8.25" W x 11.25" L x 4.5" H <b>Platter</b> 6" W x 5" L
<b>Weight Capacity:</b>	2,000g
<b>Resolution:</b>	0.2g
<b>Product Weight:</b>	8.4lbs
<b>Shipping Weight:</b>	11lbs

## APPROVALS

### U.S. Legal for Trade - NTEP

CC# 16-025 (10,000d)



### Canadian Legal for Trade - Measurement Canada

AM-6018C (10,000d)



### GIPSA Approved



# Dockage Scale

MODEL	CAPACITY (LB)	CAPACITY (KG x G)
GrainGrader	4.4 x 0.0004	2000 x 0.2





# Airline Baggage Scales

Low-Profile Baggage Scale

Recess Mount Baggage Scale

Curbside Baggage Scale



## Baggage Scale

### KEY FEATURES

#### Low-Profile Baggage Scale

- The Original Low-Profile Base Design
- Reliable, Heavy Duty, Field-Proven Design
- Front Panel Calibration
- Modular Design for Easy Field Service
- Base is 1.375" High
- 14 ga platter

#### Recess Mount Baggage Scale

- Straight-Sided Platter for Recess Mount in Bag-well
- Reliable, Heavy-Duty Field-Proven Design
- Front Panel Calibration
- Modular Design for Fast and Easy Field Service

#### Curbside Baggage Scale

- 24" x 24" Base
- Heavy Duty, Welded Construction
- 36" High Column with Handles
- Four 3" Diameter Locking Swivel Casters



Remote Display



Main Display

### SPECIFICATIONS

<b>Warranty:</b>	One Year
<b>Capacities:</b>	250, 300, 500, or 1000lb
<b>Resolution:</b>	0.5lb or 0.2kg
<b>Display:</b>	6 Digit, red LED, 0.56" High
<b>Controls:</b>	Zero (On/Off), Units
<b>Power:</b>	115 VAC 60Hz Wall Mount Transformer UL/ULc (230 VAC Optional)
<b>Units:</b>	lb or kg
<b>Output:</b>	Bi-directional RS-232
<b>Construction:</b>	Low-Profile Base - Galvanized Steel Frame  Recess Mount Base and Curbside Baggage Scale - Painted Mild Steel Frame
<b>Dimensions:</b>	Low-Profile Base - 29.5" x 32" x 1.64" Low-Profile Custom Sizes Available: From 18" x 18" to 48" x 36"  Recess Mount Base - 24" x 24" x 5.25" High  Curbside Baggage Scale - 24" x 28" x 8.9" High
<b>Options:</b>	Remote Switch Control Box

### APPROVALS

#### U.S. Legal for Trade - NTEP

##### Indicator

CC# 05-061 (5,000d)

##### Low-Profile Base

CC# 13-094 (1,000d)

##### Recess Mount and Curbside Base

CC# 13-110 (5,000d)



#### Canadian Legal for Trade - Measurement Canada

##### Recess Mount Base

CC# AM-5926 (5,000d)

##### Low-Profile Base

CC# AM-5421 (1,000d)



# Baggage Scale

MODEL	CAPACITY (LB)	CAPACITY (KG x G)	BASE SIZE
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**Indicator Only**

DS100-BM (Baggage Main Display)			
DS100-BR (Baggage Remote Display)			
DS100 (Curbside Scale Display)			

**Low-Profile Baggage Scale – Main Display**

DBS6300M/29.532 <sup>1</sup>	300 x 0.5	136 x 0.2	See Note
DBS6500M/29.532 <sup>1</sup>	500 x 0.5	227 x 0.2	See Note

**Low-Profile Baggage Scale – Main and Remote Display**

DBS6300MR/29.532 <sup>1</sup>	300 x 0.5	136 x 0.2	See Note
DBS6500MR/29.532 <sup>1</sup>	500 x 0.5	227 x 0.2	See Note

*Low-Profile Custom Sizes are available call for quote*



**Recess Mount Baggage Scale - Main Display**

DBS5250M	250 x 0.5	113 x 0.2	24" x 24"
DBS5500M	500 x 0.5	227 x 0.2	24" x 24"
DBS51000M	1000 x 0.5	454 x 0.2	24" x 24"

**Recess Mount Baggage Scale - Main and Remote Display**

DBS5250MR	250 x 0.5	113 x 0.2	24" x 24"
DBS5500MR	500 x 0.5	227 x 0.2	24" x 24"
DBS51000MR	1000 x 0.5	454 x 0.2	24" x 24"



**Curbside Baggage Scale**

DCS5250	250 x 0.5	113 x 0.2	24" x 24"
DCS5500	500 x 0.5	227 x 0.2	24" x 24"
DCS51000	1000 x 0.5	454 x 0.2	24" x 24"



**NOTE** <sup>1</sup> Exact outside base dimensions are required for CUSTOM low-profile base sizes. We can manufacture custom sizes from 18" x 18" to 48" x 36" or a total of 1,728 square inches. Typical production lead time is 6 weeks. Custom sizes are non cancellable and non returnable.

# Baggage Scale

## LOW-PROFILE & RECESS MOUNT BAGGAGE SCALE OPTIONS

- Remote Switch Box - UNITS and ZERO (on/off) Stainless Steel Front Bezel, Panel Mount (Part#: DBSOPT001).....
- RS-232 Serial Data Output, with 4 wire shielded cable, 10 ft., with 9 pin FEMALE "D" connector (Part#: DBSOPT002).....  
*Typically used for scale to PC connections*
- 230 VAC Operation (Part#: DBSOPT003).....
- 20 ft Cable to Connect Main Display to Remote Display (Part#: WCB0186).....
- Remote Display Power Injector Option (Part#: DBSOPT004) .....  
*Power up to three remote displays with this option. Includes power supply and 3 m cable.*

**NOTE**     *\* The Main Display can power one remote display standard.  
              This option is only needed if powering more than one remote display..*

## CURBSIDE SCALE OPTIONS

- Stainless Steel Platter (Part#: DCSOPT001).....

# Weighing Systems

FC6300 Series SS Formula Control Scale

BC6500 Bulk Control Indicator

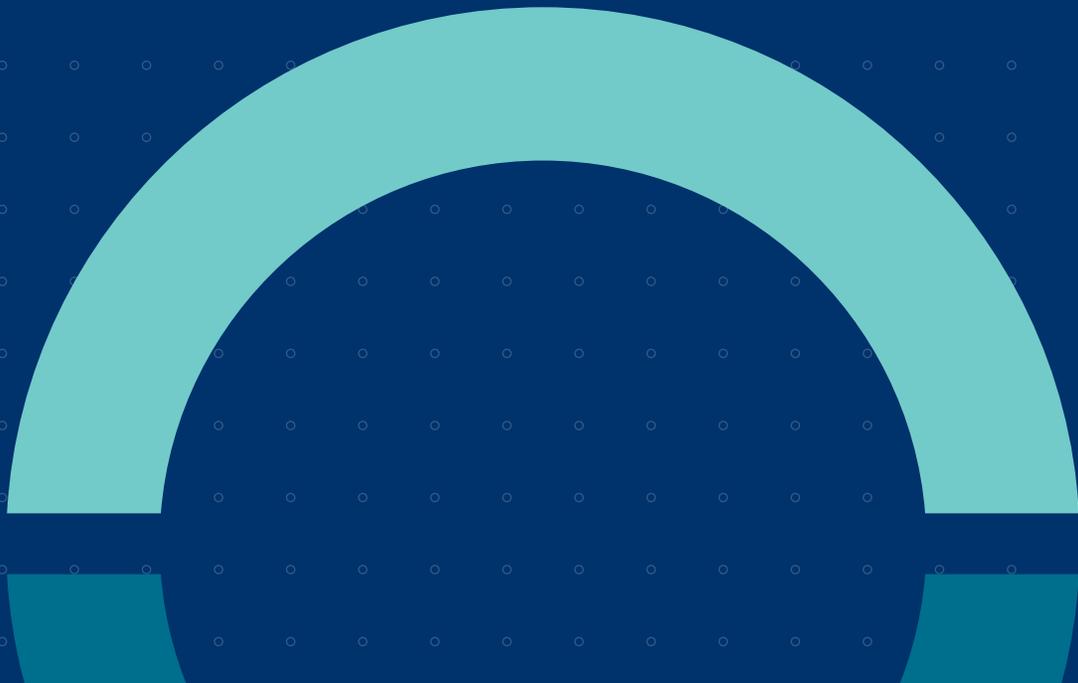
QC Weigh Data Collection Software

CheckWay Data Collection Software

Dimension Indicator Configuration Software

Performance ID Data Collection Software

Excelsior Data Collection Software



# SS Formula Control Scale



## KEY FEATURES

- Guaranteed Ingredient Savings
- Consistent Scaling Equals Consistent Product
- Ensures Employee Accountability
- Fast, Accurate, and Easy Lot Traceability

## Scale Base

- Interfaces with the FC6300 Formula Control Scale
- Stainless Steel Construction
- Includes Second Scale Input

## SPECIFICATIONS

<b>Warranty:</b>	Two Years
<b>Display:</b>	LCD - 7" TFT LCD, 800 x 480
<b>Controls:</b>	Clear, Enter, Start/Stop, Lot Id, Recall, Zero, Menu, F1, and Alphanumeric Keypad
<b>Power:</b>	115 VAC, 50/60 Hz (230 VAC Optional)
<b>Communications:</b>	Standard: USB & Wired Ethernet
<b>Optional:</b>	Wireless Ethernet
<b>Construction:</b>	304 Stainless Steel (16 Gauge)
<b>Dimensions:</b>	8" H x 10" W x 3.75" D (Indicator)

# SS Formula Control Scale

MODEL	CAPACITY (LB)	CAPACITY (KG x G)	CAPACITY (OZ)	BASE SIZE
<b>Indicator and ionSuite™</b>				
FC6300				
<b>FC6300 Scale and ionSuite with 20" Column</b>				
FC63100SP/1818	100 x 0.01	45 x 5g	1600 x 0.2	18" x 18"
FC63150SP/1818	150 x 0.01	68 x 5g	2400 x 0.2	18" x 18"
FC63250SP/1818	250 x 0.02	113 x 10g	4000 x 0.5	18" x 18"
FC63500SP/1818	500 x 0.05	227 x 20g	8000 x 1	18" x 18"
FC63100SP/1824	100 x 0.01	45 x 5g	1600 x 0.2	18" x 24"
FC63150SP/1824	150 x 0.01	68 x 5g	2400 x 0.2	18" x 24"
FC63250SP/1824	250 x 0.02	113 x 10g	4000 x 0.5	18" x 24"
FC63500SP/1824	500 x 0.05	227 x 20g	8000 x 1	18" x 24"
FC63100SP/2424	100 x 0.01	45 x 5g	1600 x 0.2	24" x 24"
FC63150SP/2424	150 x 0.01	68 x 5g	2400 x 0.2	24" x 24"
FC63250SP/2424	250 x 0.02	113 x 10g	4000 x 0.5	24" x 24"
FC63500SP/2424	500 x 0.05	227 x 20g	8000 x 1	24" x 24"
<b>Optional Second Scale Base (Includes Super Precision Load Cell)</b>				
DXL7002/88-FC	2 x 0.0002	0.9 x 0.1g	32 x 0.005	8" x 8"
DXL7005/88-FC	5 x 0.0005	2.3 x 0.2g	80 x 0.01	8" x 8"
DXL7002-FC	2 x 0.0002	0.9 x 0.1g	32 x 0.005	10" x 10"
DXL7005-FC	5 x 0.0005	2.3 x 0.2g	80 x 0.01	10" x 10"

**Call us at 800.264.4106 for a quote on FC6300 Series SS Formula Control Scale products.**

# SS Formula Control Scale

## HEAVY DUTY BARCODE SCANNER

Heavy Duty Barcode Scanner (Part#: 63OPT10) .....  
Includes: Handheld barcode wand with mating connector for barcode connection on rear of indicator.



## COLUMN OPTIONS

Upgrade from a 20" to a 30" Column (Part#: EXOPT134).....

## STAINLESS STEEL TABLE

Stainless Steel Table with Casters (Part#: ENC0907).....  
Includes: Scale input and load cell watertight - Does not include a scale platform.

## COMMUNICATIONS AND DATA OUTPUT OPTIONS

Weatherproof Ethernet Junction Box 1/2" Conduit (Part#: 63OPT19) .....  
Weatherproof Ethernet Junction Box 3/4" Conduit (Part#: 63OPT20) .....  
High Flex, Ethernet Patch Cable, 5M/16.4 ft & Mating IP67 Connectors (Part#: 63OPT21) .....

Weatherproof Ethernet Junction Box

Includes washdown safe mating connector for Ethernet Patch Cable.



High Flex, Ethernet Patch Cable

Features IP67 Rated connectors.



Wireless Ethernet - 802.11b (Part#: 63OPT01) .....  
Waterproof, Wireless Keyboard (PC Keyboard - Battery Powered - Rated IP68) (Part#: 63OPT22) .....

# SS Formula Control Scale

**FORMULA LOADER SOFTWARE OPTIONS**

- Production Scheduler Module (Part#: 63OPT12).....
- SQL Database Module (Part#: 63OPT13) .....
- Park and Retrieve (Part#: 63OPT25).....
- Inventory Traxx (Part#: SFT0013).....
- ERP Integration (Part#: 63OPT14).....

**SUPPORT, INSTALLATION, AND TRAINING**

- Support, Installation, and Training (Daily Rate - 8 Hours - 8-5 PM) (Part#: 63OPT15).....

**PRINTER OPTIONS**

- Barcode Label Printer (non-washdown) and Printer Cable (Part#: 63OPT23).....  
Includes: Label printer and RS232 cable with 6 pin quick disconnect to mate with connector on rear of indicator.  
Washdown stainless steel enclosure available – call for quote.
- 4" x 4" Thermal Label Stock (1 Roll of 700 Labels) (Part#: PRT0010) .....
-  Stainless Steel Printer Enclosure (Part#: PRT0056).....  
Washdown Safe.



Barcode Label Printer  
Part#: 63OPT23

## SS Bulk Control Indicator



### KEY FEATURES

- Provides Process Control for measuring Bulk Ingredients and ensuring correct formulation
- Tracks ingredient Lot ID's
- Confirms proper ingredients being applied to bulk ingredients with barcode scanner
- Combines micro, minor and bulk ingredient weights into one record
- Auto learning setpoint feature compensates for changing process inputs
- Controls bulk ingredient metering processes
- Can interface with existing load cells
- Utilizes SQL Express Database standard

### SPECIFICATIONS

<b>Warranty:</b>	Two Years
<b>Display:</b>	LCD - 7" TFT LCD, 800 x 480
<b>Controls:</b>	Clear, Enter, Start/Stop, Lot Id, Recall, Zero, Menu, F1, and Alphanumeric Keypad
<b>Power:</b>	115 VAC, 50/60 Hz (230 VAC Optional)
<b>Communications:</b>	Standard: USB & Wired Ethernet
<b>Optional:</b>	Wireless Ethernet
<b>Construction:</b>	304 Stainless Steel (16 Gauge)
<b>Dimensions:</b>	8" H x 10" W x 3.75" D (Indicator)

# SS Bulk Control Indicator

**MODEL**

**Indicator Only & Formula Loader Windows Based Software**

BC6500

**FORMULA LOADER SOFTWARE OPTIONS**

Production Scheduler Module (Part#: 63OPT12).....

SQL Database Module (Part#: 63OPT13) .....

Park and Retrieve (Part#: 63OPT25).....

Interfaces with FC6300 minor and micro ingredient database to provide a complete Formula Control and Lot ID tracking solution for all ingredients used in a batch.

Inventory Traxx (Part#: SFT0012).....

**HEAVY DUTY BARCODE SCANNER**

Heavy Duty Barcode Scanner (Part#: 63OPT10) .....

Includes: Handheld barcode wand with mating connector for barcode connection on rear of indicator.



**ONSITE SUPPORT, INSTALLATION, AND TRAINING**

Onsite Support, Installation, and Training (Daily Rate - 8 Hours - 8-5 PM) (Part#: 63OPT15) .....

**PRINTER OPTIONS**

Barcode Label Printer (non-washdown) and Printer Cable (Part#: 63OPT23).....

Includes: Label printer and RS232 cable with 6 pin quick disconnect to mate with connector on rear of indicator. Washdown stainless steel enclosure available – call for quote.

4" x 4" Thermal Label Stock (1 Roll of 700 Labels) (Part#: PRT0010) .....



**Call us at 800.264.4106 for a quote on BC6500 Series SS Bulk Control Indicator products.**

Barcode Label Printer  
Part#: 63OPT23

## Data Collection Software

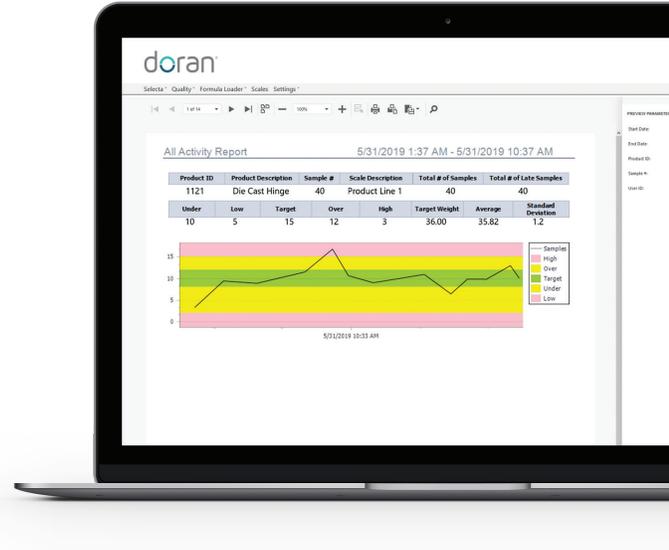
### KEY FEATURES

- For 2200CW Checkweigher Scales and Indicators
- View Critical QC Data in Real Time
- Easy to Configure and Use
- Assures Employee Accountability
- Fast Return on Investment
- Remotely manage employee productivity
- Captures all weighments of each scale operator
- Plant management controls tolerances
- Reduces product giveaway due to overweight product

Reducing cost of poor quality starts with actionable data that is delivered accurately and quickly. QC Weigh software achieves that by capturing quality control data and transmits the data to your customer's desktop. In addition to on screen display, QC Weigh can be configured to send this data to your customer's e-mail inbox.

QC Weigh provides data that your customer can trust. Handwritten QC records have been shown to be inaccurate and pages and pages of handwritten records make it impossible to pinpoint manufacturing problems.

Employees are held accountable for accurate QC sampling. Using unique operator ID's, scheduled sample intervals with alarms, and data collection ensure that employees are performing quality control tasks.



### MODEL

### QC Weigh Software

SFT0006

# Data Collection Software

## QC WEIGH OPTIONS

- SQL Database Module (Part#: 62OPT17) .....
- Support, Installation, and Training (Part#: ZZZ0057) .....

## REQUIRED SCALE OPTION

- Configure 2200CW to be compatible with QC Weigh (Part#: EXOPT214) .....  
Refer to the 2200CW scale section for detailed specifications of these scales  
and other capacities and sizes.

## REQUIRED COMMUNICATIONS OPTIONS

- Ethernet - Wired\* (Part#: EXOPT302) .....  
Includes: Internal Ethernet interface board with sealed RJ45 connector on the back of the scale.
- Washdown Safe RJ45 Ethernet Connector Field Install Kit (Part#: EXOPT150) .....  
Includes: One NEMA4X connector to mate to the connector on the back of the scale.  
Installs on customer supplied cable. Requires a RJ45 cable crimping tool.

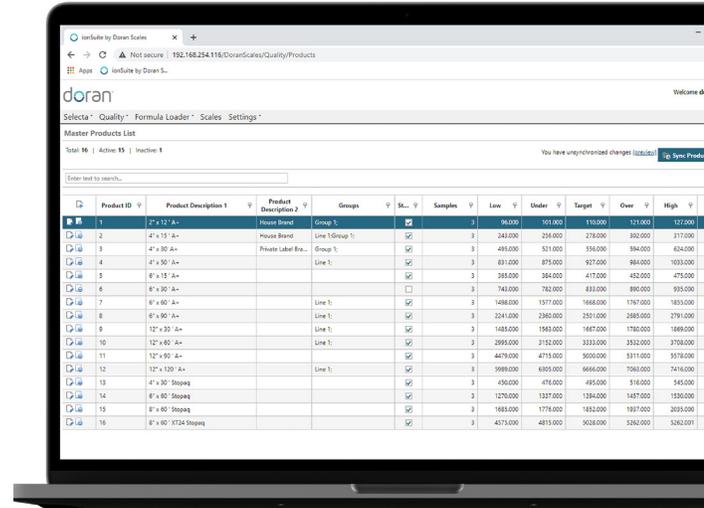
**NOTE** \* This option is not field installable, call Doran for more details.

## Data Collection Software

### KEY FEATURES

- Create a database of products that can be edited and assigned
- CheckWay is web-based, mobile compatible and accessible from any browser — cloud-based or install on premise with access from internal systems
- Manage selected product IDs for one scale, all scales, or groups of scale
- Ensure that product IDs are loaded properly in each scale to maintain correct checkweighing within set tolerances
- Prevent manual ID entry errors and prevent operator reconfiguration of product IDs management is in control

CheckWay software is designed for the 2200CW Checkweigher, with easy-to-use controls for managing Product IDs and User IDs from a desktop or portable device with wired ethernet or wireless Internet access. CheckWay can be used to manage one scale or control multiple lines — replacing manual entry to deliver saving time, improving quality control and delivering cost savings.



### MODEL

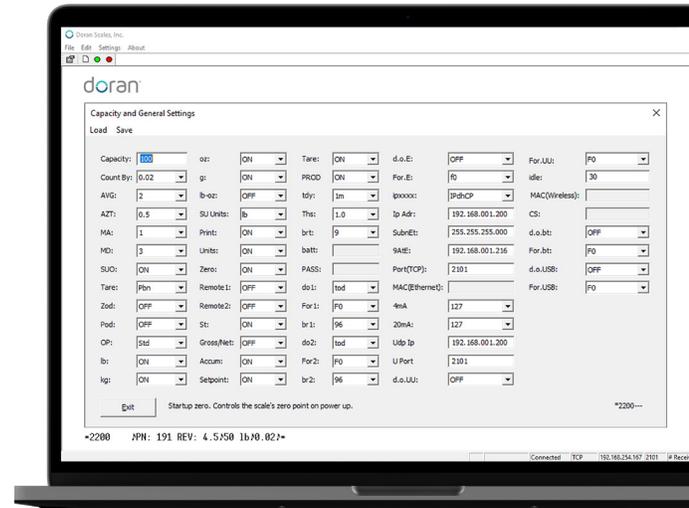
### CHECKWAY SOFTWARE

SFT0005

# Indicator Configuration Software

## KEY FEATURES

- Compatible with 7000XL, 4300, 2200, 2200CW, 8100IS and 8200IS
- Configure all scale parameters including network settings and the creation of custom data strings for data collection or barcode label printers
- View and change scale configurations on the setup screens and send commands to the scale
- Send longer command string or complete file to the scale: Enter the string in the supplied window or send a .txt file containing the commands to the scale
- Communicate with the scale, verify the data string of any scale, and send remote commands to the scale
- Specific to the 2200 when used as a batch controller. Provides support for Product ID, setpoint and batching: allows for creating a batch or managing a batch library (up to 100) without this software. Configure the setpoint target weight, setpoint operation



Dimension software is a real time-saver — and can give operators full control for managing network configurations on Doran indicators. Get a Network View of current settings and easily modify settings. Dimension is easy to install on a PC and can be used for one indicator or multiple indicators.

**MODEL**

**DIMENSION SOFTWARE**

SFT0017

# EXCELERATOR

## Data Collection Software

### KEY FEATURES

- Automated Data Collection
- Collect Data from up to 20 Scales
- Assures Employee Accountability
- Import User Defined Data Strings

Introducing Excelerator, a powerful, easy to use, and cost effective software solution designed to collect data from any Doran Scale and transfer it to a Microsoft Excel spreadsheet. The Doran Excelerator Data Collection Software gives you the power to accelerate your data collection. Automate your data collection and remove the risk of human error with the easy to use Doran Excelerator Data Collection Software.

### Flexible Communication and Data Formatting

Whether it's one Doran Scale connected to a PC, or up to 20 Doran Scales installed throughout your plant, the Excelerator can handle it all. Streaming data from the scale can be sent to the PC via a local RS232 or USB port, or across a wired or wireless Ethernet network. You can even harness the power of the Internet by remotely collecting data from scales on the other side of the world.

### Easy to Use

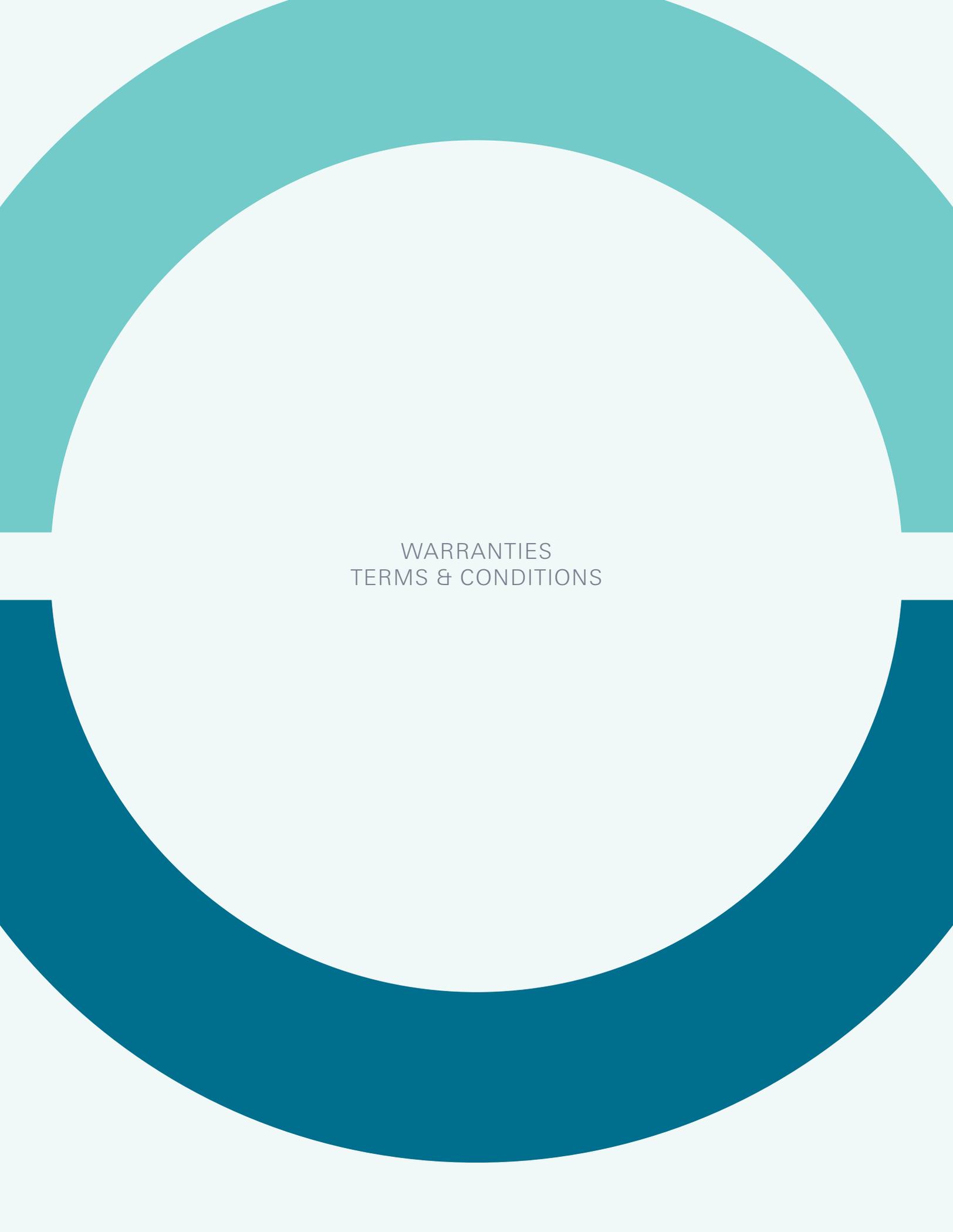
Once configured, you can begin collecting data into Microsoft Excel in just two mouse clicks, it's really that simple. By designing the Excelerator program to work seamlessly with Doran Scales, and relying on a visual interface that eliminates custom programming, initial setup time is measured in minutes, not hours like many other data collection programs.



### MODEL

### Excelerator Software

SFT0001



WARRANTIES  
TERMS & CONDITIONS

# SERVICE AND WARRANTY POLICY

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## RETURN POLICY

1. No returns will be accepted after 30 days after the invoice date.
2. All returns must have an RMA number marked clearly on the outside of the box.
3. No returns for credit are accepted 30 days after invoice. All returns are subject to a minimum 15% restocking fee. The restocking fee is based upon the amount of time and material required to return the item to resalable condition. A restocking fee will be quoted upon the evaluation of the returned equipment.
4. Items that cannot be returned:
  - Equipment that has been used or shows excessive wear and cannot be reconditioned and resold will not be accepted for return or credit.
  - Equipment that does not contain the original components unless there is an RMA or parts order history with Doran.
  - Electronic components returned in improper packaging. All electronic components must be shipped in packaging that protects against electrostatic discharge (ESD)
  - Non catalog, special order or modified product
  - Special software
  - Opened software packages
  - Airline baggage scales

## REPAIR POLICY

1. Every repair must have an RMA number clearly marked on the outside of the box.
2. Hourly rate for repairs is \$85 / hour.
3. Once evaluated, the service department will contact you with a repair cost before repairs are made.
4. A \$85 evaluation charge will be issued for product not repaired, plus the cost of shipping if returned. The evaluation charge will be waived if a similar new product is purchased by the end user in lieu of repair.
5. If the cost of repair is 50% or greater than the cost of a new product, you will be contacted to explore if a new product purchase is a better fit than a repair for your customer.

## IS REPAIR POLICY

Field repair or modification of all intrinsically safe equipment will void all warranties expressed or implied and void Certifier approval. All UL approved products in the 8100IS and 8200IS section are fully repairable.

The discontinued 8000IS FM approved system will continue to be repaired. It is a requirement that the device to be repaired and placed back into service must have the original FM label attached to the device. Doran cannot generate new FM marks or labeling after delisting of the 8000IS system components.

The following items can be repaired:

- 8000BIS Battery Pack

# STANDARD PRODUCT LIMITED WARRANTY

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Doran Scales, Inc. (the "Company") warrants that all products manufactured or sold by the Company for industrial use ("Products") shall be free from defects in material and workmanship for a period of up to two (2) years from the date of original shipment from the Company (the "Warranty Period"). Any Product found to be defective within the Warranty Period may be returned to the Company, freight prepaid, with prior return authorization and proof of purchase showing date of original sale. If the Product is defective in workmanship or material, the Company will, at its option, repair or replace such Product with an equivalent Product. This Standard Product Limited Warranty (the "Warranty") is subject to the following conditions:

- i. Buyer must promptly notify the Company, in writing, of the nature of the claimed defect. Buyer must obtain a written return authorization prior to shipping any Product to the Company. Any Product returned to the Company without a written return authorization shall be sent back to Buyer at Buyer's expense.
- ii. Within the first ninety (90) days of the Warranty Period, the Warranty will cover up to two (2) hours of travel time, up to one (1) hour of labor, and the parts to perform work covered by the Warranty at Buyer's facility, provided that the work is performed by the authorized distributor from whom the Product was purchased. If any other authorized distributor performs the work, only the cost of parts will be covered. If the product is shipped to the Company, the cost of parts and labor will be covered. Doran will not cover labor and travel time higher than our standard authorized distributor warranty rates.
- iii. After the first ninety (90) days of the Warranty Period, this Warranty covers the cost of parts only. Buyer may have the Warranty work done as follows:
  - By shipping the Product to the Company together with the written return authorization issued by the Company and proof of purchase showing date of original sale; or
  - By arranging with an authorized distributor to have the work done.
- iv. This Warranty does not cover work done or parts installed by any person or entity other than the Company or an authorized distributor.
- v. The Buyer is responsible for shipping the Product to the Company, freight pre-paid. If the Company determines that this Warranty applies and performs warranty work or replaces the Product, then Company shall be responsible for shipping the Product back to the Buyer, freight pre-paid. Any shipment costs other than standard ground or dock to dock delivery within the contiguous United States and Canada will be Buyer's responsibility.
- vi. Company is not responsible for any defects caused by any factor beyond Company's control including, by way of example, but not limited to, accident, misuse, power surge, lightning strike, negligent handling, improper installation, improper repair, improper testing, vandalism or sabotage. The determination of the cause of a defect or damage to a Product shall be made solely by the Company.
- vii. Any Product that has been modified or altered by any person or entity other than the Company or repaired by any person or entity other than Company or an authorized distributor shall not be covered by this Warranty.
- viii. This Warranty does not apply to Company's line of products for medical use.
- ix. Batteries are covered by this Warranty only for the first ninety (90) days of the Warranty Period. Any component of a Product that was manufactured by another party and is covered by a separate warranty is not covered by this Warranty.
- x. Company shall have a reasonable amount of time to repair or replace any Product covered by this Warranty.
- xi. Any defects or damage directly or indirectly caused by or resulting from the use of unauthorized replacement parts or components in the Product are not covered by this Warranty.
- xii. The decision as to whether a Product covered by the Warranty shall be repaired or replaced shall be made solely by the Company.

All warranty work by the Company or an authorized distributor shall be performed during normal business hours, on week days, excluding federal holidays.

## STANDARD PRODUCT LIMITED WARRANTY

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Company's liability under this Warranty is limited to the cost of repair or replacement of the Product covered by this Warranty. Company will not be liable for consequential or indirect damages, including but not limited to, loss of business or profits. Company will not be liable for damages to the Product, other equipment or personal property, or personal injury or death caused by or resulting from a defect covered by this Warranty or caused by or resulting from misuse, overload, accident, alteration, improper installation or unauthorized opening of the Product. Company will not be liable for any loss or consequential damages caused by or resulting from any errors or deficiencies in the functioning or performance of the Product. In no event will the Company's aggregate liability under this Warranty exceed the total price paid by the Buyer for any Product determined to be defective.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. THIS WARRANTY CONSTITUTES THE COMPANY'S SOLE AND EXCLUSIVE WARRANTY. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED ARE HEREBY DISCLAIMED INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

# SERVICE AND WARRANTY POLICY

## OBTAINING AN RMA

1. Contact our technical support team for an RMA number.
2. Clearly write the RMA number on the outside of the box before returning to Doran.
3. If an RMA is being issued for a warranty evaluation, a \$85 evaluation charge, plus the cost of shipping if returned will be issued if the product is found not to be covered under warranty.
4. If the product returned is for evaluation and repair, a \$85 evaluation charge, plus the cost of shipping if returned will be issued for product not repaired. The evaluation charge will be waived if a similar new product is purchased by the end user in lieu of repair.

## WARRANTY DURATION - INDUSTRIAL

PRODUCT/SERVICE			WARRANTY DURATION
7000XL	DSS Bases	8100IS	2 Years
7400	DXL Bases	8200IS	
4300	FC6300	DBS	
2200	BC6500	SIL Bases	
2200CW	DMS Bases		
550	DS100		1 Year
PC400	DS100-BM		
	DS100-BR		
Rechargeable Batteries			90 Days
Replacement Parts			
Service Repairs			90 Days Complete product must be returned to Doran for warranty evaluation

# STANDARD TERMS AND CONDITIONS OF SALE

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- 1. CONDITIONS OF SALE:** All orders for Doran Scales, Inc. products and services shall be subject to the terms and conditions listed below. No modification of these terms and conditions, or any other conditions will be recognized by Doran Scales, Inc. unless specifically agreed to in writing by an authorized representative of Doran Scales, Inc. The failure of Doran Scales, Inc. to object to provisions contained in any order or other communication from the purchaser shall not be construed as a waiver of these terms and conditions or an acceptance of such provisions.
- 2. PRICES:** Prices are subject to CHANGE WITHOUT NOTICE. Orders placed (and released for shipment within 30 days) prior to the effective date of any increase will be protected for thirty (30) days from the date of that price increase.
- 3. ERRORS:** All clerical errors are subject to correction.
- 4. TAXES:** Any manufacturer's tax, use tax, sales tax, or tax or duty of any nature whatsoever, which may be assessed against this order, shall be added to the price quoted or invoiced and shall be paid by the purchaser. In the event Doran Scales, Inc. is required to pay such a tax or duty, the purchaser shall reimburse Doran Scales, Inc., or shall provide Doran Scales, Inc., at the time the order is submitted, with exemption certificates or other documents acceptable to taxing or customs authorities.
- 5. CHANGE ORDERS:** Changes from the original specifications on which an accepted order or proposal is based, will not be accepted unless requested in writing and subject to the following conditions; in the event such change increases the cost of any product, including actual component cost and expenses incurred in modifying a partially or completely manufactured product, then such additional expenses shall be added to the original accepted price.
- 6. PENALTIES AND DELAYS:** No penalty clause of any kind shall be effective unless specifically approved in writing by an authorized representative of Doran Scales, Inc. Doran Scales, Inc. shall not be liable for any damage caused by delays beyond Doran Scales, Inc. control. This includes, with limitation, fire, strike, Act of God, transportation failures, or inability to obtain labor, material or manufacturing facilities. In the event of such a delay, the date of delivery shall be extended for a period equal to the time lost by reason of the delay.
- 7. CANCELLATION:** Any order or contract may be canceled by the purchaser only upon payment of the reasonable charges based upon expenses already incurred and commitments made by Doran Scales, Inc. All orders for baggage scales are non-cancelable and non-returnable.
- 8. DELIVERY:** Doran Scales, Inc. products are shipped F.O.B. St. Charles, Illinois. Delivery dates are approximate and are based on prompt receipt of all necessary information from the purchaser. Delivery will be made and title will pass F.O.B. point of shipment to the purchaser. Risks of loss or damage pass to the purchaser on shipment.
- 9. INACCURATE INFORMATION:** If Buyer (or Buyer's forwarder) provides inaccurate or insufficient information, or reroutes a shipment in-transit, then Buyer is responsible for the original freight bill and any additional costs, fees, fines, charge-backs or penalties incurred with the freight company. In addition, if the Buyer provides inaccurate shipping information the Buyer is still responsible for full payment for the product and freight, per original terms, as well as any freight damage, and any/all cost incurred by the Seller, to re-route, or reship the shipment.
- 10. DAMAGE OR LOSS IN SHIPMENT:** Great care is taken in the packaging of Doran Scales, Inc. products. Doran Scales, Inc. is not responsible for damage or loss in transit and all such claims must be made by the purchaser direct to the carrier. The receiver is responsible for making a notation of damaged or missing items when signing the carrier's delivery receipt. If you or your customer are not sure whether or not there is damage, we suggest adding a statement "CONDITION UNKNOWN" to the delivery receipt.  
In the event that damage or missing items are not properly documented at the time of receipt, the carrier is relieved of responsibility and the receiver is then responsible for the cost to get the product back to new condition. After the damage or shortage has been properly noted with the carrier, contact Doran Scales immediately and keep all the original packaging material for inspection by the carrier's representative.

When drop shipping to your customers, it is imperative that you advise them of their responsibility in accepting shipments from common carriers. Even if the equipment is not expected to be installed or used for a period of time, the shipment must be inspected at time of receipt in order to preserve their rights in making a claim.

# STANDARD TERMS AND CONDITIONS OF SALE

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11. **PAYMENT TERMS:** Doran Scales, Inc. payment terms are NET 30 days to qualified dealers. Initial orders prior to credit approval will be sent C.O.D. or pre-paid. When invoices become 15 days past due a credit hold will be imposed and shipments will be put on hold. A reasonable credit limit will be enforced until a reasonable credit record has been established. Failure to maintain a favorable credit record will result in reverting to a C.O.D. or pre-payment status. Doran Scales, Inc. reserves the right to require a 50% down payment on special orders or orders over a customer's established credit limit.
12. **SPECIFICATIONS:** Specifications are subject to change without notice.
13. **GOVERNING LAW:** These Standard Terms and Conditions of Sale shall be interpreted, construed and governed by and under the internal laws of the State of Illinois.



DORAN SCALES REPLACEMENT PARTS LIST

2025

## Current products

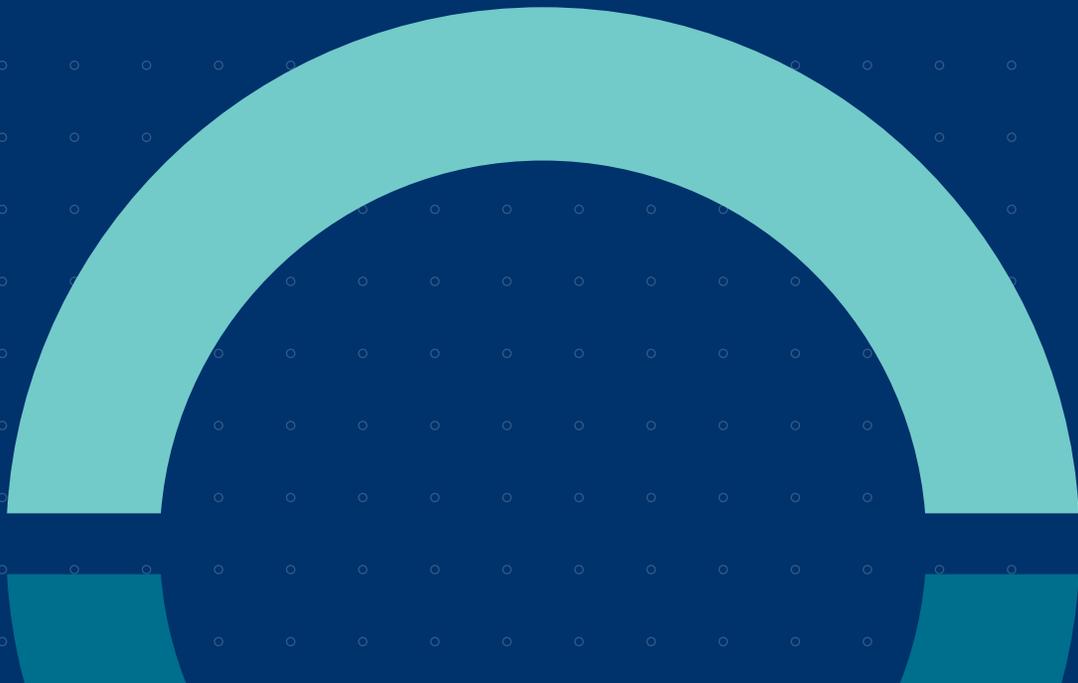
Load Cells .....	92
Load Cell Shims and Bolts .....	94
7400 Series .....	95
FC6300 and BC6500 Series .....	96
2200 Series .....	97
2200CW Series .....	98
4300 Series .....	99
7000XL Series .....	100
DS100 Series .....	101
DXL Series Bases (10" x 10", 12" x 12", and 15" x 15") .....	102
DMS Series Bases (18" x 18", 18" x 24", and 24" x 24") .....	103
DSS Series Bases (18" x 18", 18" x 24", and 24" x 24") .....	103
PC-400 Series .....	104
550 Series .....	105
1200 Series .....	106
Medical Products .....	107

## Legacy products

2200, 2200B and 2200CW Series .....	111
4300 Series .....	112
7000XL Series .....	113
8000 Series .....	114
8000XL Series .....	115

# Current Products

Doran Scales Replacement Parts



# CURRENT PRODUCTS

## Load Cells

BASE SIZE	SCALE CAP. (LB)	MODEL #	ALUMINUM LOAD CELL PART #	LOAD CELL CAP. (KG)	STAINLESS STEEL LOAD CELL PART #
	2	PC400-02	LCP22003-PC400	3	N/A
	5	PC400-05	LCP22005-PC400	5	N/A
	5	PC500-05	LCP22005-PC500	5	N/A
	10	PC400-10	LCP22010-PC400	10	N/A
	10	PC500-10	LCP22010-PC500	10	N/A
	20	PC400-20	LCP22015-PC400	15	N/A
	25	PC500-25	LCP22015-PC500	15	N/A
	50	PC500-50	LCP22030-PC500	30	N/A
	6	550-06	LCP22005	5	N/A
	12	550-12	LCP22010	10	N/A
	30	550-30	LCP22015	15	N/A
8" x 8"	2	DXL7002/88	LCP22003	3	N/A
8" x 8"	5	DXL7005/88	LCP22005	5	LCP13007
8" x 8"	10	DXL7010/88	LCP22010	10	LCP13007
8" x 8"	25	DXL7025/88	LCP22015	15	LCP13015
10" x 10"	2	DXL7002	LCP22003	3	N/A
10" x 10"	5	DXL7005	LCP22005	5	LCP13007
10" x 10"	10	DXL7010	LCP22010	10	LCP13007
10" x 10"	25	DXL7025	LCP22015	15	LCP13015
10" x 10"	50	DXL7050	LCP22030	30	LCP13030
12" x 12"	25	DXL8025	LCP42015	15	LCP1142015
12" x 12"	50	DXL8050	LCP42030	30	LCP1142030
12" x 12"	100	DXL8100	LCP42075	75	LCP1142075
15" x 15"	50	DXL9050	LCP42030	30	LCP1142030
15" x 15"	100	DXL9100	LCP42075	75	LCP1142075
15" x 15"	200	DXL9200	LCP42100	100	LCP1142100
18" x 18"	50	DMS3050	LCP60050	50	LCP920050
18" x 18"	50	DSP3050	LCP50050	50	N/A
18" x 18"	50	DSS3050	LCP60050	50	LCP920050
18" x 18"	50	DXL3050	LCP60050	50	LCP920050
18" x 18"	100	DMS3100	LCP60075	75	LCP920075
18" x 18"	100	DSP3100	LCP50075	75	N/A
18" x 18"	100	DSS3100	LCP60075	75	LCP920075
18" x 18"	100	DXL3100	LCP60075	75	LCP920075
18" x 18"	150	DSP3150	LCP50150	150	N/A
18" x 18"	150	DXL3150	LCP60150	150	LCP920150
18" x 18"	200	DSP3200	LCP50150	150	N/A
18" x 18"	250	DMS3250	LCP60150	150	LCP920150
18" x 18"	250	DSS3250	LCP60150	150	LCP920150
18" x 18"	300	DSP3300	LCP50300	300	N/A
18" x 18"	300	DXL3300	LCP60150	150	LCP920150

**NOTE** Part numbers for the super precision load cells are the aluminum part number with a "V" appended at the end of the aluminum load cell part number. For example LCP22003V.

## Load Cells

BASE SIZE	SCALE CAP. (LB)	MODEL #	ALUMINUM LOAD CELL PART #	LOAD CELL CAP. (KG)	STAINLESS STEEL LOAD CELL PART #
18" x 18"	500	DMS3500	LCP60300	300	LCP920350
18" x 18"	500	DSS3500	LCP60300	300	LCP920350
18" x 24"	50	DMS4050	LCP60050	50	LCP920050
18" x 24"	50	DSP5050/1824	LCP50050	50	N/A
18" x 24"	50	DSS4050	LCP60050	50	LCP920050
18" x 24"	100	DMS4100	LCP60075	75	LCP920075
18" x 24"	100	DSP5100/1824	LCP50075	75	N/A
18" x 24"	100	DSS4100	LCP60075	75	LCP920075
18" x 24"	200	DSP5200/1824	LCP50150	150	N/A
18" x 24"	250	DMS4250	LCP60150	150	LCP920150
18" x 24"	250	DSS4250	LCP60150	150	LCP920150
18" x 24"	300	DSP5300/1824	LCP50300	300	N/A
18" x 24"	500	DMS4500	LCP60300	300	LCP920350
18" x 24"	500	DSP5500/1824	LCP50500	500	N/A
18" x 24"	500	DSS4500	LCP60300	300	LCP920350
18" x 24"	1000	DMS41000	LCP60500	500	LCP920500
18" x 24"	1000	DSP51000/1824	LCP51000	1000	N/A
18" x 24"	1000	DSS41000	LCP60500	500	LCP920500
24" x 24"	50	DMS5050	LCP60050	50	LCP920050
24" x 24"	50	DSP5050/2424	LCP50050	50	N/A
24" x 24"	50	DSS5050	LCP60050	50	LCP920050
24" x 24"	100	DMS5100	LCP60075	75	LCP920075
24" x 24"	100	DSP5100/2424	LCP50100	100	N/A
24" x 24"	100	DSS5100	LCP60075	75	LCP920075
24" x 24"	200	DSP5200/2424	LCP50150	150	N/A
24" x 24"	250	DMS5250	LCP60150	150	LCP920150
24" x 24"	250	DSS5250	LCP60150	150	LCP920150
24" x 24"	300	DSP5300/2424	LCP50300	300	N/A
24" x 24"	500	DMS5500	LCP60300	300	LCP920350
24" x 24"	500	DSP5500/2424	LCP50500	500	N/A
24" x 24"	500	DSS5500	LCP60300	300	LCP920350
24" x 24"	1000	DMS51000	LCP60500	500	LCP920500
24" x 24"	1000	DSP51000/2424	LCP501000	1000	N/A
24" x 24"	1000	DSS51000	LCP60500	500	LCP920500
Airline Baggage	300 or 500	Low Profile Baggage Scale	LCPB0075	75	N/A
11.8" x 15.7"	50	1200-MSP0050	LCPL6E050	50	N/A
11.8" x 15.7"	100	1200-MSP0100	LCPL6E100	100	N/A
15.7" x 19.7"	100	1200-MSP1100	LCPL6E3100	100	N/A
15.7" x 19.7"	250	1200-MSP1250	LCPL6E3150	150	N/A
19.7" x 23.6"	250	1200-MSP2250	LCPL6E3150	150	N/A
19.7" x 23.6"	500	1200-MSP2500	LCPL6E3300	300	N/A

## CURRENT PRODUCTS

# Load Cell Shims and Bolts

PART NUMBER	DESCRIPTION
ENC0154-1	Lower Shim for 12" x 12", 15" x 15" series. 1.12"L x 1.37"W x 0.062" H
ENC0155-1	Upper Shim for 12" x 12", 15" x 15" series. 1.12"L x 1.37"W x 0.111" H
ENC0527-1	Shim for 8"x8", 10" x 10" series. 1"L x 1.63"W x 0.125" H Used on DXL7000 series bases as upper (two) and lower (one) shims. For bases with up overload stop, use as upper shim paired with ENC0545-1
ENC0736	Shim for 18" x 18", 18" x 24" and 24" x 24" series. 0.120 Stainless Steel
FST0005	Split Lock Washer, 1/4" For LC1042 Use with FST0053
<b>Load Cell Bolts</b>	
FST0053	Load cell bolt for 8" x 8", 10" x 10", 12" x 12", 15" x 15" load cells. M6 x 18 Stainless Steel
FST0273	Load cell bolt for 18" x 18", 18" x 24" and 24" x 24" series (1260 Stainless Steel equivalent) M8 x 1.25 x 25 Stainless Steel
FST0113	Load cell bolt for legacy 18" x 18", 18" x 24" and 24" x 24" bases. Screw 5/16 – 18 x 1" Hex Head, Stainless Steel

# 7400 Series

PART NUMBER	DESCRIPTION
<b>Mother Boards</b>	
PCA0415	Legacy Main Board 110-240VAC Battery Power Supported
PCA0419	Units, Print, Over, Under Switch Board
<b>Display Lens, Switch</b>	
SUB0646	7400 Lens Replacement Kit Clear lens, red lens, and mounting hardware
SUB0513	Zero Switch Assembly – includes cable and PCB connector
<b>Power Supplies, Batteries, Transformers, Power Cords</b>	
WCB0249	Power Cord Shielded, 8 ft. long, 18/3 SJTO
<b>Gaskets, Housings</b>	
ENC0604	Backplate for Meter Enclosure
SUB0438	Gasket and Screw Set, Rear Panel 2 standard, 2 cross-drilled 10-32 bolts, 4 rubber bonded metal washers and 1 rear gasket
SUB0665	Front Enclosure with lens and zero switch installed
CNT0019	Liquid-Tite Feed Thru For load cell, power cord and option inputs
SUB0399	Liquid-Tite Plug for unused enclosure holes
<b>Fuses</b>	
FUS0019	Fuse for 110VAC and 220VAC battery powered boards
<b>Knobs, Brackets</b>	
ENC0624	U Bracket Tilt stand bracket
SUB0210-1	Knob, “U” Bracket Adjust Friction adjust knob with washer
SUB0425	20" Fixed Height Atlas Column
SUB0455	ABR Attachment Bracket
SUB0417	14" Fixed Height Atlas Column

# CURRENT PRODUCTS

## FC6300 and BC6500 Series

PART NUMBER	DESCRIPTION
<b>Touchpanels</b>	
SUB0819	Touchpanel Assembly Includes: overlay, switch, and installation instructions
<b>Gaskets, Housings, PowerCord</b>	
SUB0686	Backplate assembly, includes all bulkhead connectors and power cord
SUB0829	Gasket and screw set
SUB0685	Front Enclosure with complete touchpanel assembly installed
WCB0249	Power Cord Shielded, 8ft. Long, 18/3 SITOW
CNT0019	Liquid-Tite Feed Thru for load cell and power cord
<b>Fuse</b>	
FUS0041	Fuse, 3.15A, 250V
<b>Cable Assemblies</b>	
WCB0256	Scanner Bulkhead Cable Assembly
WCB0257	Printer Bulkhead Cable Assembly
HDW0245	Cap for Ethernet Bulkhead Assembly
HDW0255	Ethernet Bulkhead Assembly
<b>Scanner</b>	
MSC0173	Heavy Duty Scanner for Serial Number FC0683 and higher
MSC0293	Heavy Duty Scanner for Serial Number FC0682 and lower

## 2200 Series

12 Screw enclosure with 0.8" LED Display

PART NUMBER	DESCRIPTION
<b>Mother Boards</b>	
PCA0410	Main PCB Assembly, 100-240 VAC
<b>Touchpanels</b>	
SUB0868	Assembly Includes: overlay, switch, and installation instructions
<b>Power Cords, Battery</b>	
WCB0249	Power Cord Shielded, 8 ft. long, 18/3 SJTO
SUB0853	Rechargeable Battery, with wire and terminals
<b>Gaskets, Housings</b>	
ENC0918	Backplate Rear Cover
SUB0847	Gasket & Screw Set: 10 standard screws, 2 cross-drilled screws, 12 rubber bonded metal washers and gasket
SUB0870	Front Enclosure with complete touchpanel assembly installed
CNT0019	Liquid-Tite Feed Thru For load cell, power cord & option inputs
SUB0399	Liquid-Tite Plug for unused enclosure holes
SUB0852	Scale Veils – Pack of Three (3)
<b>Fuses, Switches</b>	
FUS0059	Fuse and fuse cover for PCA0410, 100-240 VAC
<b>Knobs, Brackets</b>	
ENC0624	U Bracket Tilt stand bracket
SUB0210-2	Knob, "U" Bracket Adjust two Friction adjust knobs with two washers
SUB0425	20" Fixed Height Atlas Column
SUB0455	ABR Attachment Bracket
SUB0417	14" Fixed Height Atlas Column 10x10, 12x12 base
SUB0874	14" Fixed Height Atlas Column 15x15 base

# CURRENT PRODUCTS

## 2200CW Series

12 Screw enclosure with 0.8" LED Display

PART NUMBER	DESCRIPTION
<b>Mother Boards</b>	
PCA0410	Main PCB Assembly, 100-240 VAC
<b>Touchpanels</b>	
SUB0869	Assembly Includes: overlay, switch, and installation instructions
<b>Power Cords, Battery</b>	
WCB0249	Power Cord Shielded, 8 ft. long, 18/3 SJTO
SUB0853	Rechargeable Battery, with wire and terminals
<b>Gaskets, Housings</b>	
ENC0918	Backplate Rear Cover
SUB0847	Gasket & Screw Set: 10 standard screws, 2 cross-drilled screws, 12 rubber bonded metal washers and gasket
SUB0871	Front Enclosure with complete touchpanel assembly installed
CNT0019	Liquid-Tite Feed Thru For load cell, power cord & option inputs
SUB0399	Liquid-Tite Plug for unused enclosure holes
SUB0852	Scale Veils – Pack of Three (3)
<b>Fuses, Switches</b>	
FUS0059	Fuse and fuse cover for PCA0410, 100-240 VAC
<b>Knobs, Brackets</b>	
ENC0624	U Bracket Tilt stand bracket
SUB0210-2	Knob, “U” Bracket Adjust two Friction adjust knobs with two washers
SUB0425	20" Fixed Height Atlas Column
SUB0455	ABR Attachment Bracket
SUB0417	14" Fixed Height Atlas Column 10x10, 12x12 base
SUB0874	14" Fixed Height Atlas Column 15x15 base

## 4300 Series

12 Screw enclosure with 0.8" LED Display

PART NUMBER	DESCRIPTION
<b>Mother Boards</b>	
PCA0410	Main PCB Assembly, 100-240 VAC
<b>Touchpanels</b>	
SUB0860	Assembly Includes: overlay, switch, and installation instructions
<b>Power Cords, Battery</b>	
WCB0249	Power Cord Shielded, 8 ft. long, 18/3 SJTO
SUB0853	Rechargeable Battery, with wire and terminals
<b>Gaskets, Housings</b>	
ENC0918	Backplate Rear Cover
SUB0847	Gasket & Screw Set: 10 standard screws, 2 cross-drilled screws, 12 rubber bonded metal washers and gasket
SUB0861	Front Enclosure with complete touchpanel assembly installed
CNT0019	Liquid-Tite Feed Thru For load cell, power cord & option inputs
SUB0399	Liquid-Tite Plug for unused enclosure holes
SUB0852	Scale Veils – Pack of Three (3)
<b>Fuses, Switches</b>	
FUS0059	Fuse and fuse cover for PCA0410, 100-240 VAC
<b>Knobs, Brackets</b>	
ENC0624	U Bracket Tilt stand bracket
SUB0210-2	Knob, "U" Bracket Adjust two Friction adjust knobs with two washers
SUB0425	20" Fixed Height Atlas Column
SUB0455	ABR Attachment Bracket
SUB0417	14" Fixed Height Atlas Column 10x10, 12x12 base
SUB0874	14" Fixed Height Atlas Column 15x15 base

# CURRENT PRODUCTS

## 7000XL Series

12 Screw enclosure with 0.8" LED Display

PART NUMBER	DESCRIPTION
<b>Mother Boards</b>	
PCA0410	Main PCB Assembly, 110-240 VAC
<b>Touchpanels</b>	
SUB0846	Assembly Includes: overlay, switch, and installation instructions
<b>Power Cords, Battery</b>	
WCB0249	Power Cord Shielded, 8 ft. long, 18/3 SJTO
SUB0853	Rechargeable Battery, with wire and terminals
<b>Gaskets, Housings</b>	
ENC0918	Backplate Rear Cover
SUB0847	Gasket & Screw Set: 11 standard screws, 1 cross-drilled screw, 12 rubber bonded metal washers and gasket.
SUB0848	Front Enclosure with complete touchpanel assembly installed
CNT0019	Liquid-Tite Feed Thru For load cell, power cord & option inputs
SUB0399	Liquid-Tite Plug for unused enclosure holes
SUB0852	Scale Veils – Pack of Three (3)
<b>Fuses</b>	
FUS0059	Fuse and fuse cover for PCA0410 (110-240 VAC)
<b>Knobs, Brackets</b>	
ENC0624	U Bracket Tilt stand bracket
SUB0210-2	Knob, "U" Bracket Adjust two Friction adjust knobs with two washers
SUB0425	20" Fixed Height Atlas Column
SUB0455	ABR Attachment Bracket
SUB0417	14" Fixed Height Atlas Column 10x10, 12x12 base
SUB0874	14" Fixed Height Atlas Column 15x15 base

DS100 Series

PART NUMBER	DESCRIPTION
PCA0293	Main Board with Display, AC Powered
PCA0325	Baggage Main Board
PCA0359	Baggage Remote Display Board
SWI0136	Touchpanel Mounted to PC Board – NOT FOR USE WITH BAGGAGE SCALE
XFR0035	Wall Mount Transformer, 115VAC
ENC0846	U-Bracket
ENC0845	Load Cell Cover Plate
SUB0609	Adjustment Knobs and Washers Includes two adjustment knobs and two rubber bonded washers

# CURRENT PRODUCTS

## DXL Series Bases

PART NUMBER	DESCRIPTION
<b>DXL Series 8" x 8" and 10" x 10" Replacement Parts</b>	
ENC0148	Platter, 10" x 10" Stainless Steel
ENC0902	Platter, 8" x 8" Stainless Steel
HDW0011	Bubble Level
SUB0417	14" Fixed Height Atlas Column
SUB0455	ABR Attachment bracket
SUB0004-3	Foot Assembly Set Rubber feet; S/S 10-24 screw, set of 6 Old Style
SUB0004-4	Foot Assembly Set Rubber feet; S/S M6 screw, set of 6 New Style
SUB0330-1	10" x 10" Spider Assembly 2 LB Stainless Steel
SUB0330-5	10" x 10" Spider Assembly 5 LB. Stainless Steel
SUB0330-3	10" x 10" Spider Assembly 25 AND 10 LB. Stainless Steel
SUB0330-4	10" x 10" Spider Assembly 50 LB. Stainless Steel
SUB0866-1	8" x 8" Spider Assembly 2, 5 LB Stainless Steel
SUB0866-2	8" x 8" Spider Assembly 10, 25 LB Stainless Steel
<b>DXL Series 12" x 12" Replacement Parts</b>	
ENC0151	Platter, 12" x 12" Stainless Steel
HDW0011	Bubble Level
SUB0417	14" Fixed Height Atlas Column
SUB0455	ABR Attachment bracket
SUB0004-3	Foot Assembly Set Rubber feet; S/S 10-24 x 1" screw, set of 6 Old Style
SUB0004-4	Foot Assembly Set Rubber feet; S/S M6 screw, set of 6 New Style
SUB0343-2	Spider Assembly, 50 and 100 LB Stainless Steel
<b>DXL Series 15" x 15" Replacement Parts</b>	
ENC0634	Platter, 15" x 15" Stainless Steel
HDW0011	Bubble Level
SUB0874	14" Fixed Height Atlas Column
SUB0425	20" Fixed Height Atlas Column
SUB0004-3	Foot set of six 10-24; serial number range 100-8149
SUB0004-4	Foot set of six M6; serial number range 8150-9999
SUB0677	Foot set of six M8; serial number range 10,000 and higher
SUB0411-1	Spider Assembly, 50 LB Stainless Steel
SUB0411-2	Spider Assembly, 100 LB Stainless Steel
SUB0411-3	Spider Assembly, 200 LB Stainless Steel

# DMS and DSS Series Bases

PART NUMBER	DESCRIPTION
<b>DMS Series 18" X 18", 18" X 24", and 24" X 24" Replacement Parts</b>	
DMS-TT	DMS Tower 36" High Painted Mild Steel with Handles
ENC0189MS	Platter 18" x 18" Painted Mild Steel
ENC0246MS	Platter 24" x 24" Painted Mild Steel
HDW0011	Bubble Level
HDW0263	Foot, Type 218 Stainless Steel 1/2-13 sold individually
HDW0079	Rubber Bumper Strip 1 1/4" x 8"; 8 strips needed for 18" x 24" and 10 strips needed for 24"x24"
HDW0159	Conductive Neoprene Pad Sold individually
<b>DSS Series 18" X 18", 18" X 24", and 24" X 24" Replacement Parts</b>	
ENC0189	Platter 18" x 18" Stainless Steel
ENC0126	Platter 18" x 24" Stainless Steel
ENC0246	Platter 24" x 24" Stainless Steel
HDW0011	Bubble Level
SUB0425	20" Fixed Height Atlas Column
SUB0426	30" Fixed Height Atlas Column
HDW0263	Foot, Type 218 Stainless Steel 1/2-13 sold individually
HDW0079	Rubber Bumper Strip 1 1/4" x 8"; 8 strips needed for 18" x 24" and 10 strips needed for 24" x 24"
HDW0159	Conductive Neoprene Pad Sold individually

# CURRENT PRODUCTS

## PC-400 Series

PART NUMBER	DESCRIPTION
<b>The following are for PC400 models with serial numbers NPC403000 and higher</b>	
PCA0296	Main PCB Assembly
PCA0297	Power Supply PCB Assembly
WCB0160	RS-232 and Power Bulkhead Mount Connectors, Wire Harness and Power Board Connector Rubber plugs not included
XFR0039	Plug Mount Transformer 120 VAC plug mount transformer, 10' cord, UL/CSA Listed, Center positive For scales with serial numbers higher than NPC403000
XFR0038	Plug Mount Transformer 230 VAC plug mount transformer, 10' cord, UL/CSA Listed, Center positive For scales with serial numbers higher than NPC403000
WCB0153	Motherboard ribbon cable – 5 pin female to female
WCB0157	RS232 Cable – 9 pin female with phono-jack connector
<b>The following are parts for PC400 models with serial number lower than NPC403000 or software rev 3.5 or lower.</b>	
PCA0296	Main PCB Assembly
PCA0281	Power Supply PCB Assembly
XFR0035	Plug Mount Transformer 120 VAC plug mount transformer, 10' cord, UL/CSA Listed, Center negative
WCB0149	RS-232 Cable - 9 pin female with RJ12 connector
<b>The following are parts for ALL PC400 serial numbers</b>	
BAT0013	Replacement Rechargeable Battery Pack
ENC0804	Platter 6 ½" x 6 ½" Stainless Steel
SUB0531	Foot Assembly Set of four feet
<b>Touchpanels   New Larger Display Window PC400</b>	
SWI0154	Touchpanel – 20 LB capacity for SN: NPC405110 and higher. Replaced with SWI0211 once stock is used up
SWI0211	Touchpanel - Capacity Not Labelled

# 550 Series

PART NUMBER	DESCRIPTION
550OPT01	Wireless Charging Adapter 100-240 VAC, 50/60 Hz
550OPT02	Scale Foot
550OPT03	Overlay Graphics Layer
550OPT05	Switch Layer
550OPT04	Platter

# CURRENT PRODUCTS

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## 1200 Series

PART NUMBER	DESCRIPTION
PCA0421	Main PCB Assembly
BAT0020	Rechargeable Battery Pack
ENC1035	U Bracket
SUB0880	Washers and knobs (2 ea)
ENC1034	Tower bracket for 7000XL indicator
SWI0218	Display overlay
HDW0374	MSP Base Foot Set of 4

Medical Products

PART NUMBER	DESCRIPTION
<b>DS1100</b>	
SUB0707-1	Measurement arm and knob assembly
MSC0278	Measuring Tape
<b>DS1125, DS1150</b>	
ENC0950	Measurement Arm
<b>DS4050</b>	
XFR0082	Wall Mount Transformer, Center Positive
<b>DS4100</b>	
MSC0277	24" Ruler
SWI0146	Touch Panel
PCA0315	AC jack and USB Board
PCA0307	Main Board
XFR0049	Wall Mount Transformer, Center Negative
XFR0082	Wall Mount Transformer, Center Positive
HDW0291	Rubber Foot
<b>DS4500</b>	
MSC0277	24" Ruler
SWI0146	Touch Panel
PCA0315	AC jack and USB Board
PCA0329	Main Board
XFR0049	Wall Mount Transformer, Center Negative
XFR0082	Wall Mount Transformer, Center Positive
HDW0291	Rubber Foot
<b>DS5100</b>	
SWI0145	Touch Panel
MSC0265	Height Rod Assembly
MAT0005	Mat
HDW0378	Column Knob
HDW0321	Base Knob
SUB0815	Front cover, touchpanel and board
MSC0268	Battery Tray
<b>DS6150</b>	
MAT0009	Replacement Mat
XFR0082	Wall Mount Transformer
SWI0187	Touch Panel

# CURRENT PRODUCTS

## Medical Products

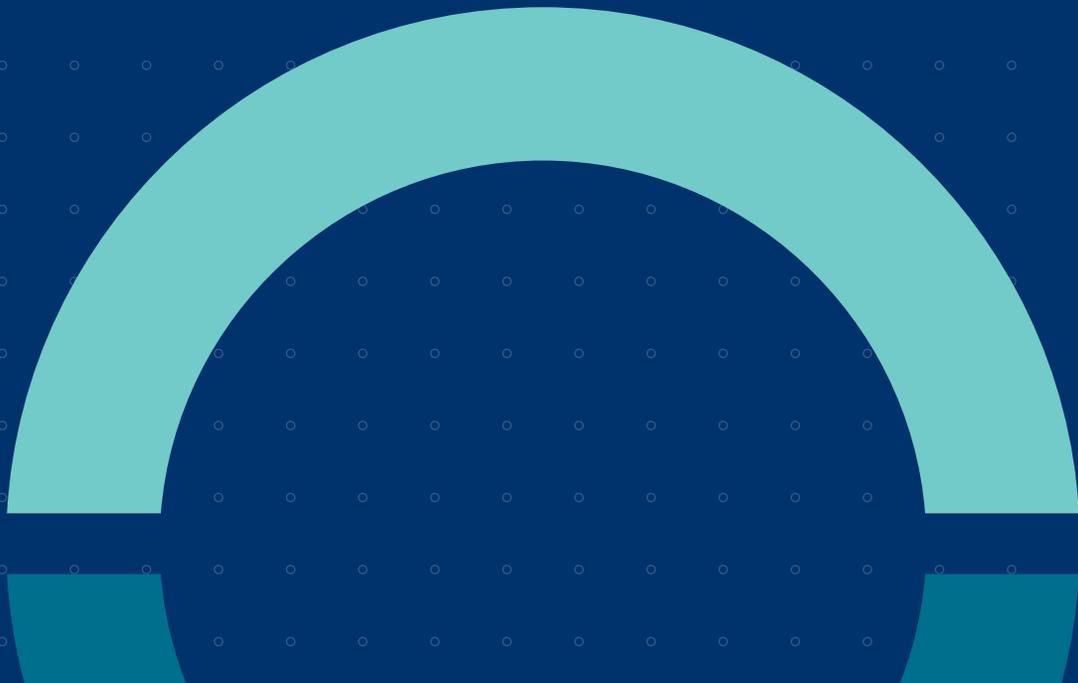
PART NUMBER	DESCRIPTION
<b>DS7060, DS7040</b>	
HDW0379	Foot
MAT0008	Mat
SWI0187	Touch Panel
DS7060M	Indicator
XFR0082	Wall Mount Transformer, Center Positive
WCB0260	Homerun Cable
<b>DS7100, DS7200</b>	
SWI0171	Touch Panel
ENC0861	Battery Tray
DS7100M	Indicator with Bracket
XFR0082	Wall Mount Transformer, DS250 Indicator
XFR0047	Legacy Metal Indicator with Blue End Caps
PCA0314	Base Scale Module
PCA0390	Power Board
WCB0170	Base to Indicator Cable
LCPDS9100	Load Cell Set (4)
MAT0004	Mat
HDW0380	Wheel with Mounting Hardware
HDW0278	Foot
<b>DS8030</b>	
SUB0877	Adjustment Lever and Spacer
SWI0190	Touch Panel
DS8030M	Indicator
LCWCLC-125	Load Cell
XFR0082	Wall Mount Transformer, Center Positive
SUB0879	Foot
MSC0226	Wheel
<b>DS8150</b>	
ENC1037	Side Rail and Mounting Hardware
DS8150M	Indicator
XFR0082	Wall Mount Transformer, Center Positive
HDW0336	Locking Swivel Caster
SWI0187	Touch Panel
DS8150-LC-KIT	Load Cell
ENC1038	Footrest

Medical Products

PART NUMBER	DESCRIPTION
<b>DS9100</b>	
SWI0172	Touch Panel
ENC0861	Battery Tray
MAT0002	Mat - Ramp
MAT0003	Mat - Ramp Magnet side with notch
MAT0001	Mat - Weighing surface
DS9100M	Indicator with Bracket
XFR0082	Wall Mount Transformer, DS250 Indicator
XFR0047	Legacy Metal Indicator with Blue End Caps
PCA0314	Weigh Module
PCA0390	Power Board
WCB0169	Base to Indicator cable
LCPDS9100	Load Cell Set (4)
DS9100-RAMP	Ramp
HDW0381	Swivel Caster
HDW0382	Fixed Caster
HDW0383	Latch
HDW0278	Foot
<b>DS2100</b>	
DS2100-HR	Height Rod
<b>DS5250</b>	
MSC0299	Height Rod Assembly
HDW0384	Wheel and Hardware
WCB0264	Charging Cable USB A to C
XFR0086	Wall Mount Charging Adapter
<b>DS5200</b>	
HDW0384	Wheel and Hardware
WCB0264	Charging Cable USB A to C
XFR0086	Wall Mount Charging Adapter
<b>DS6200</b>	
WCB0264	Charging Cable USB A to C
XFR0086	Wall Mount Charging Adapter

# Legacy Products

Doran Scales Replacement Parts



# 2200, 2200B and 2200CW Series

4 screw enclosure

PART NUMBER	DESCRIPTION
<b>Mother Boards</b>	
PCA0415	Legacy Main Board 110-240VAC battery power supported
<b>Touchpanels</b>	
SUB0635	2200 and 2200B Touchpanel Assembly Includes: overlay, switch, and installation instructions
SUB0663	2200CW Touchpanel Assembly Includes: overlay, switch, and installation instructions
<b>Power Cords</b>	
WCB0249	Power Cord Shielded, 8 ft. long, 18/3 SJTO
<b>Gaskets, Housings</b>	
ENC0604	Backplate Rear Cover, Stainless Steel
ENC0585	Battery Bracket, mounts to enclosure backplate
SUB0438	Gasket and Screw Set: 2 standard, 2 cross-drilled screws, 4 rubber bonded metal washers and gasket
HDW0254	Breather Vent
SUB0872	Scale Veil Three Pack
MSC0164	WiFi Antenna
CNT0019	Liquid-Tite Feed Thru
SUB0399	Liquid-Tite Plug for unused enclosure holes
SUB0639	2200 and 2200B Front Enclosure with complete touchpanel assembly installed
SUB0653	2200CW Front Enclosure with complete touchpanel assembly installed
<b>Fuses</b>	
FUS0019	Fuse for 110VAC and 220VAC battery powered boards
FUS0020	Fuse for 110VAC battery boards
FUS0021	Fuse for 220VAC boards
<b>Knobs, Brackets</b>	
ENC0624	U Bracket Tilt stand bracket
SUB0210-1	Knob, "U" Bracket Adjust One Friction adjust knob with washer
SUB0455	ABR Attachment bracket
SUB0417	14" Fixed Height Atlas Column

**NOTE** PCA0415 replacement mother board is a current PCA0410 design and software, shrunk to fit the four screw enclosure. It will support battery power and omits the support of:

- Wired Ethernet
- Wireless Ethernet
- Bluetooth
- USB
- Outputs / Relays

Refer to the latest product manual for setup instructions. Please contact support for more information.

# LEGACY PRODUCTS

## 4300 Series

4 screw enclosure

PART NUMBER	DESCRIPTION
<b>Mother Boards</b>	
PCA0415	Legacy Main Board 110-240VAC Battery Power Supported (Replaces PCA0342)
<b>Touchpanels</b>	
SUB0566	Touchpanel Assembly Includes: overlay, switch, and installation instructions
<b>Batteries, Power Cords</b>	
SUB0038-4	Internal Rechargeable Battery with wires and terminals
WCB0249	Power Cord Shielded, 8 ft. long, 18/3 SJTO
<b>Gaskets, Housings</b>	
ENC0604	Backplate Rear Cover, Stainless Steel
ENC0585	Battery Bracket, mounts to enclosure backplate
SUB0438	Gasket and Screw Set: 2 standard, 2 cross-drilled screws, 4 rubber bonded metal washers and gasket
ENC0586	Enclosure Backplate Expanded 1.0" Depth, For optional battery and internal relay configurations
SUB0398	Gasket and Screw Set for Battery Backplate: 2 standard, 2 cross-drilled screws, 4 rubber bonded metal washers and gasket.
HDW0254	Breather Vent
SUB0872	Scale Veil Three Pack
MSC0164	WiFi Antenna
CNT0019	Liquid-Tite Feed Thru
SUB0399	Liquid-Tite Plug for unused enclosure holes
SUB0580	Front Enclosure with complete touchpanel assembly installed
<b>Fuses</b>	
FUS0019	Fuse for 110VAC and 220VAC battery powered boards
FUS0020	Fuse for 110VAC battery boards
FUS0021	Fuse for 220VAC boards
<b>Knobs, Brackets</b>	
ENC0624	U Bracket Tilt stand bracket
SUB0210-1	Knob, "U" Bracket Adjust One Friction adjust knob with washer
SUB0455	ABR Attachment bracket
SUB0417	14" Fixed Height Atlas Column

**NOTE** PCA0415 replacement mother board is a current PCA0410 design and software, shrunk to fit the four screw enclosure. It will support battery power and omits the support of:

Wired Ethernet

Wireless Ethernet

Bluetooth

USB

Outputs / Relays

Refer to the latest product manual for setup instructions. Please contact support for more information.

## 7000XL Series

4 screw enclosure

PART NUMBER	DESCRIPTION
<b>Mother Boards</b>	
PCA0415	Legacy Main Board 110-240VAC Battery Power Supported (Replaces PCA0346)
<b>Touchpanels</b>	
SUB0427	Touchpanel Assembly Includes: overlay, switch, and installation instructions
<b>Power Cords</b>	
WCB0249	Power Cord Shielded, 8 ft. long, 18/3 SJTO
<b>Gaskets, Housings</b>	
ENC0604	Backplate Rear Cover
SUB0438	Gasket and Screw Set: 2 standard, 2 cross-drilled screws, 4 rubber bonded metal washers and gasket
SUB0441	Front Enclosure with complete touchpanel assembly installed
CNT0019	Liquid-Tite Feed Thru For load cell, power cord and option inputs
SUB0399	Liquid-Tite Plug for unused enclosure holes
SUB0872	Scale Veil Three Pack
<b>Fuses</b>	
FUS0019	Fuse for 110VAC boards
FUS0021	Fuse for 220VAC boards
<b>Knobs, Brackets</b>	
ENC0624	U Bracket Tilt stand bracket
SUB0210-1	Knob, "U" Bracket Adjust One Friction adjust knob with washer
SUB0455	ABR Attachment bracket
SUB0417	14" Fixed Height Atlas Column

**NOTE** PCA0415 replacement mother board is a current PCA0410 design and software, shrunk to fit the four screw enclosure. It will support battery power and omits the support of:

Wired Ethernet

Wireless Ethernet

Bluetooth

USB

Outputs / Relays

Refer to the latest product manual for setup instructions. Please contact support for more information.

# LEGACY PRODUCTS

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## 8000 Series

PART NUMBER	DESCRIPTION
SWI0042	Touchpanel
SUB0038-3	Internal rechargeable battery with terminals and wires

**NOTE** *Parts discontinued when remaining inventory is sold.*

## 8000XL Series

4 screw enclosure

PART NUMBER	DESCRIPTION
<b>Mother Boards</b>	
PCA0415	Legacy Main Board 110-240VAC Battery Power Supported (Replaces PCA0348)
<b>Batteries, Power Cords</b>	
SUB0853	Rechargeable Battery, with wire and terminals
WCB0249	Power Cord Shielded, 8 ft. long, 18/3 SJTO
<b>Gaskets, Housings</b>	
ENC0586	Backplate Rear cover with cord wrap bracket (without battery bracket or battery)
ENC0585	Internal Battery Bracket
SUB0398	Gasket and Screw Set For Deep Backplate: 2 standard, 2 cross-drilled screws, 4 rubber bonded metal washers and gasket
SUB0397	Front Enclosure with complete touchpanel assembly installed
CNT0019	Liquid-Tite Feed Thru For load cell, power cord and option inputs
SUB0399	Liquid-Tite Plug for unused enclosure holes
SUB0872	Scale Veil Three Pack
HDW0254	Breather Vent Plug
<b>Relays, Fuses</b>	
FUS0019	Fuse for 220VAC battery powered boards
FUS0020	Fuse for 110VAC battery boards
<b>Knobs, Brackets</b>	
ENC0624	"U" Bracket Tilt Stand bracket
SUB0210-1	Knob, "U" Bracket Adjust One Friction adjust knob with Washer
SUB0455	ABR Attachment bracket
SUB0417	14" Fixed Height Atlas Column

**NOTE** PCA0415 replacement mother board is a current PCA0410 design and software, shrunk to fit the four screw enclosure. It will support battery power and omits the support of:

Wired Ethernet

Wireless Ethernet

Bluetooth

USB

Outputs / Relays

Refer to the latest product manual for setup instructions. Please contact support for more information.





**45**  
**YEARS**



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