

UL Certified Intrinsically Safe. Checkweigher functions for hazardous locations.

800 product memory | Full keypad
304 stainless | Built in the USA
Controller and Checkweighing modes

Doran. Powering Performance.



doran[®]

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8200IS SERIES INDICATOR

Fast, simple check weigh function. Accurate product weight verification. Full-function keypad. Tare and Gross Net function. Remote display option. Advanced data output via fiber optic interface to safe area printer or data collection software. IS rechargeable battery or AC. Up to four 350-ohm load cell systems. Two remote switch inputs.

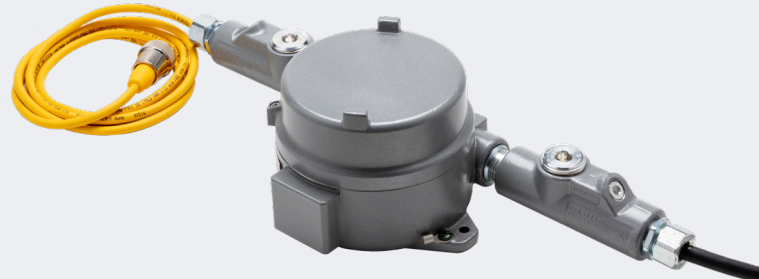


Intrinsically Safe Indicator

The 8200IS is part of Doran’s line of intrinsically safe equipment that sets a higher standard. With precision engineering and exceptional build quality, the Doran 8200IS meets the latest UL testing standards for explosive environments – where there is exposure to flammable gases; flammable or combustible liquid-produced vapors; combustible dusts or ignitable fibers; or flyings.

KEY FEATURES

- UL Certified intrinsically safe for hazardous locations
- IP6X environmental protection
- Checkweighing feature with 800 product IDs
- AC powered or rechargeable battery
- Full numeric keypad with backlit LCD display
- Accumulate, Product ID, Setpoint and Over/Under functions
- Units of measure: lb, kg, oz, g, or lb:oz
- Data output via fiber optic to RS232 converter
- Remote display option
- 304 stainless steel construction



8AIS AC Power Supply



8BIS Battery Pack

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



E485121

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

SPECIFICATIONS

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

