680 Synergy Series Digital Weight Indicator



Approvals



Standard Features

- LED displau
- · Battery backed time and date
- Full numeric keypad
- · Multiple communication ports
- Eight setpoint, 22 configurable types

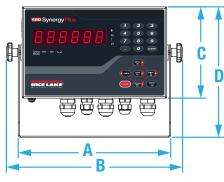
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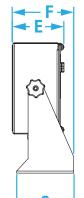
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- Numeric keyed entry for tare and setpoint entry
- Formattable tickets
- Four onboard configurable digital I/O points, TTL logic
- Local/remote

Dimensions

680 Synergy Series 10.02 in (255 mm) 3.40 in (86 mm) А Е В 11.58 in (294 mm) F 4.05 in (103 mm) С G 6.00 in (152 mm) 3.80 in (97 mm) Н D 8.57 in (218 mm) 4.74 in (120 mm)





Specifications Power:

Line voltages: 100 to 240 VAC Frequency: 50 to 60 Hz

Power Consumption: 2W (AC) 1 × 350 ohm load cell, 15W max **Excitation Voltage:**

10 VDC (± 5 VDC), 8 × 350 ohm or 16 × 700 ohm load cells

Analog Signal Input Range: -5 mV to +70 mV

Analog Signal Sensitivity: 1 µV/graduation recommended

A/D Sample Rate: 6.25 to 120 Hz, software selectable

Resolution: Internal: 8,000,000 counts Display: 1,000,000

System Linearity: Within 0.01% full scale

Digital I/O: Four configurable I/O - 5V logic

(Optional) Analog Output: 16-bit resolution, voltage output 0-10 VDC, current output 0-20 mA / 4-20 mA

Communication Ports: Two full-duplex RS-232 RS-485/422 (five-wire) Micro USB (device)

Ethernet TCP/IP (10/100) Annunciators:

Eight LED annunciators

Display: Seven 0.8 in tall, seven-segment digits Keys/Buttons:

Flat membrane panel, tactile feel (18 buttons plus ON/OFF)

Dimensions: $(L \times W \times H)$

11.58 × 4.05 × 8.57 in (294 × 103 × 218 mm)

Temperature Ranae:

Certified: 14 °F to 104 °F (-10 °C to 40 °C) Industrial: 14 °F to 122 °F (-10 °C to 50 °C)

Rating/Material: IP69K (IP66 with RJ45)

AISI 304 stainless Steel

Weight: 6.25 lb (3 kg)

Warranty:

Two-year limited **EMC** Immunity:

10 V/m

Approvals:

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NTEP 19-021, Class III/IIIL, 10,000d Measurement Canada AM-6121C OIML R76/2006-A-NL1-19.56 EU Test Certificate TC11562 UKCA **CE Marked** cULus Listed



Note: IP Rating is IP66 with RJ45 option. Rating is valid only when the cover is in place, not in use.

Options

0-20 mA, 4-20 mA

• RJ45 Ethernet connector

Analog output: 16-bit resolution, 0-10 VDC,

UK CA

Part Number/Price

680 Plus indicator, LED display, US power cord	7 lb	
680 Plus indicator, LED display, US power cord	716	
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680 Plus indicator, LED display, EU power cord	7 lb	Consult
680 Plus indicator, LED display, UK power cord	7 lb	Consult
680 Plus indicator, LED display, AUS power cord	7 lb	Consult
680 Plus indicator, LED display	7 lb	Consult
680 Plus indicator, LED display, 115-230 VAC with analog output card, US power cord	7 lb	Consult
680 Plus indicator, LED display, 115-230 VAC with analog output card, EU power cord	7 lb	Consult
680 Plus indicator, LED display, 115-230 VAC with analog output card, UK power cord	7 lb	Consult
680 Plus indicator, LED display, 115-230 VAC with analog output card, AUS power cord	7 lb	Consult
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680 Plus Indicator, LED display, 115-230 VAC with RJ45, EU power cord	7 lb	Consult
680 Plus Indicator, LED display, 115-230 VAC with RJ45, UK power cord	7 lb	Consult
680 Plus Indicator, LED display, 115-230 VAC with RJ45, AUS power cord	7 lb	Consult
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*Not UL approved **IP rating is IP66 with RJ45 opton

Options/Accessories

Part #	Description	Price
195084	Analog output option card	Consult
151099	Panel mount option, gasketed non-NEMA seal	Consult
195684	CPU board	Consult
194477	Parts kit	Consult
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To have your option factory installed, please specify when placing your order.



† US plug (NA) - Type B

ttt BS1363 (UK) - Type G

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tttt AS 3112 (Australian) - Type I

tt Euro Plug - Type E

