

680HE Synergy Series

Hostile Environment Digital Weight Indicator



Standard Features

- Bright six digit 2.5 in tall, seven-segment, two color LED display
- Battery backed time and date
- Full numeric keypad
- Three serial ports: two RS-232, one full duplex RS-485
- Numeric keyed entry allowed for tare and setpoint entry
- Formattable tickets
- Ethernet TCP/IP
- USB device
- IP66 FRP enclosure
- Four onboard configurable digital I/O points, TTL logic
- Local/Remote

Options

- Ethernet bulkhead connector
- Analog output: 16-bit resolution, 0-10 VDC, 0-20 mA, 4-20 mA

Approvals



Specifications

Power:

Line voltages: 100-240 VAC, 9-36V DC
Frequency: 50-60 Hz

Power Consumption:

12W (AC) with one 350 ohm load cell, 30W max

Excitation Voltage:

10 VDC (± 5 VDC)

Analog Signal Input Range:

-0.5 mV/V to +7 mV/V

Analog Signal Sensitivity:

1 μ V/graduation recommended

A/D Sample Rate:

6.25-120 Hz, software selectable

Resolution:

Internal: 8,000,000 counts
Display: 100,000

System Linearity:

Within 0.01% full scale

Digital I/O:

Four configurable I/O 5V logic

Communication Ports:

Two RS-232 (three-wire)
RS-485/422 (five-wire)
Micro USB (device)
Ethernet TCP/IP (10/100)

Status Annunciators:

Eight LED annunciators

Display:

Six 2.5 in tall, seven-segment digits

Keys/Buttons:

Flat membrane panel, tactile feel
(18 buttons)

Temperature Range:

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

EMC Immunity:

10 V/m

Weight:

7.9 lb (3.5 kg)

Rating/Material:

Rating: IP66
Material: FRP

Warranty:

Two-year limited warranty

Approvals:

NTEP CC 19-021, Class III/IIIL, 10,000d
Measurement Canada AM6121 Class III/IIILD
10,000 d
UL/cUL Listed
CE Marked

680HE Synergy Series

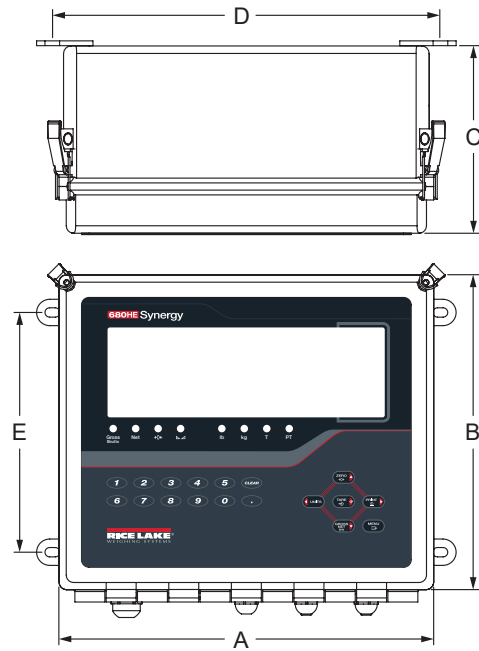
Hostile Environment Digital Weight Indicator

Part Number/Price

Part #	Description	Est. Weight	Price
197177	Indicator, Wall 680HE Plus Full Numeric Keypad, 115-230 VAC FRP Enclosure	6.25 lb (3 kg)	Consult
199574	Indicator, Wall 680HE Plus Full Numeric Keypad, 115-230 VAC, FRP Enclosure with external RJ-45	6.25 lb (3 kg)	Consult

Options/Accessories

Part #	Description	Price
195084	Analog output option card	Consult



Dimensions			
A	12.50 in (317.5 mm)	D	13.00 in (330.2 mm)
B	10.50 in (266.7 mm)	E	8.00 in (203.2 mm)
C	6.30 in (160.0 mm)		