880/880 Plus Performance™ Series
Digital Weight Indicator/Controller

Part Number/Price
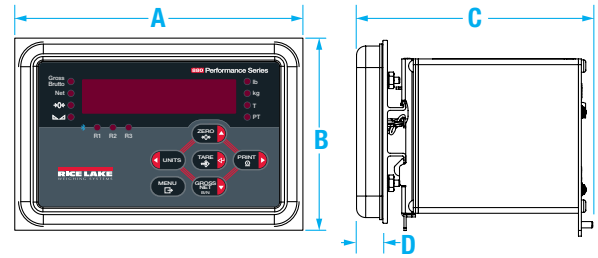
Part #	Description	Est. Weight	Price
880 Panel Mount AC Powered*			
151674	Display only	2 lb	$315.00
177977	115-230 VAC, controller only	4 lb	$775.00
177976	115-230 VAC	4 lb	$1,050.00
177979	115-230 VAC with analog output	4 lb	$1,350.00
177980	115-230 VAC with relay board	4 lb	$1,350.00
177982	115-230 VAC with EtherNet/IP	4 lb	$1,600.00
177983	115-230 VAC with ProfiNet	4 lb	$1,600.00
177984	115-230 VAC with Modbus/TCP	4 lb	$1,600.00
177985	115-230 VAC with Profibus DP	4 lb	$1,600.00
177986	115-230 VAC with DeviceNet	4 lb	$1,600.00
179155	115-230 VAC with EtherCAT	4 lb	$1,600.00
880 Panel Mount DC Powered*			
177987	12-24 VDC	4 lb	$1,150.00
177988	12-24 VDC controller only	4 lb	$875.00
880 Plus Universal AC Powered			
177989†	115 VAC	8 lb	$1,275.00
178496†	115 VAC, with analog	8 lb	$1,575.00
178499†	115 VAC, with relay board	8 lb	$1,575.00
179147†	115 VAC with EtherNet/IP	8 lb	$1,825.00
179148†	115 VAC with Profinet	8 lb	$1,825.00
179149†	115 VAC with Modbus/TCP	8 lb	$1,825.00
179150†	115 VAC with Profibus	8 lb	$1,825.00
179152†	115 VAC with DeviceNet	8 lb	$1,825.00
179154†	115 VAC with EtherCAT	8 lb	$1,825.00
177990††	115-230 VAC	8 lb	$1,275.00
178497††	115-230 VAC with analog	8 lb	$1,575.00
178500††	115-230 VAC, with relay board	8 lb	$1,575.00
880 Plus Universal DC Powered			
178495	12-24 VDC	8 lb	$1,375.00

*Power cable not included

† NEMA 5-15 plug †† CEE 7/7 plug (Euro)

880 Panel Mount Dimensions
A	6.0 in (152 mm)	C	4.95 in (126 mm)
B	4.0 in (102 mm)	D	0.58 in (14 mm) **BEZEL DEPTH**
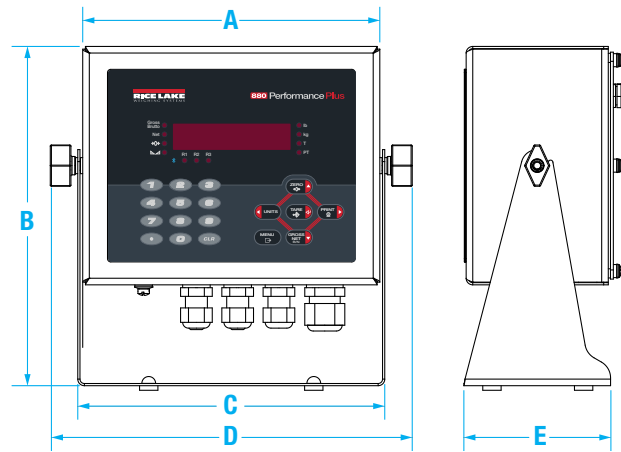
880 Universal Dimensions
A	8.10 in (206 mm)	D	9.87 in (248 mm)
B	9.38 in (235 mm)	E	4.0 in (102 mm)
C	8.37 in (213 mm)		

Options/Accessories

Part #	Description	Price
Option Cards (5.5 in CPU only)		
179156	Analog output, 0-10 VDC, 0-20 mA, 4-20 mA	$300.00
179157	Relay board, four dry contact outputs	$300.00
Network Cards		
179158	EtherCAT interface	$550.00
179159	EtherNet/IP® interface	$550.00
179160	ProfiNet® interface	$550.00
179161	Modbus/TCP® interface	$550.00
179162	DeviceNet® interface	$550.00
179163	Profibus DP interface	$550.00
Hardware		
153660	Metrological sealing kit	$10.00
158404	Adapter plate for IQ310 and 520 replacement	$60.00
101923	Relay box enclosure, does not include relay	$235.00
177850	Panel mount kit for universal enclosure	$150.00
180835	Backplate with RJ-45 receptacle	$90.00
15436	Power cord, pigtail with US NEMA 5-15 plug	$17.00
105382	Power cord, pigtail with Euro Plug CEE 7/7	$17.00

Options/Accessories

Part #	Description	Price
Cables		
152434	Cable, USB A to micro A shielded, 2 meters	$15.00
156817	Cable, Ethernet TCP/IP CAT.5E shielded RoHS compliant blue RJ45 connectors 1 meter	$30.00
156818	Cable, Ethernet TCP/IP CAT.5E shielded RoHS compliant blue RJ45 connectors 3 meters	$37.00
156821	Cable, Ethernet TCP/IP CAT.5E shielded RoHS compliant blue RJ45 connectors 5 meters	$45.00
Manuals and Software		
77925	Revolution™ scale software	$35.00
152240	Operators manual	$25.00
158387	Technical manual	$25.00
Primary Component Parts (5.5 in CPU only)		
131740	Overlay, panel mount, six-key	$55.00
163986	Overlay, universal with numeric keypad	$65.00
131598	Display board	$200.00
175603*	Power supply, 100-240 VAC	$175.00
175604*	Power supply, 12-24 VDC	$275.00
175109*	CPU board	$525.00

* Design change in 2017 to 5.5 in wide controller, see replacement parts catalog for the 5.0 inch wide boards.

www.ricelake.com | Phone: 800-472-6703

519

1280 Enterprise Series
Programmable Color Touchscreen Weight Indicator/Controller

Wall Mount

Panel Mount

Universal

Standard Features

- Seven-inch, 800 x 480 pixel, graphical color display that adjusts for ambient light conditions
- Twelve-inch, 1280 x 800 pixel, graphical color display that adjusts for ambient light conditions
- Highly customizable graphical user interface
- Three different enclosure types: universal with tilt stand, panel mount and wall mount
- Resistive color touchscreen that can be used with gloves
- On-screen keyboard available during entry mode or use an external keyboard
- Multi-language operation and text entry
- Keypad for scale operations, numeric entry and navigation
- More than 150 built-in functions for programming
- Customize applications and data tables with iRite™ software
- Built-in web server for remote access, systems integration and data monitoring
- Up to eight scales supporting five scale types:
    - Analog load cell scales
    - Total scales
    - Serial scales
    - Program scales
    - iQube2 scales
- Multi-range/interval weighing functions
- Eight digital I/O for control and pulse count
- 100 setpoints, 18 configurable setpoint types
- 22 soft keys with 10 user-defined
- Two RS-232 and RS-485 serial ports
- USB, Ethernet TCP/IP, Wi-Fi Direct(r) and Bluetooth® ports

Options

- Six option slots that support:
    - A/D scale channels
    - Analog Input/Thermocouple
    - Digital input and outputs
    - Analog outputs
    - Serial ports
    - Four channel dry-contact relay
    - Various protocol interfaces

Approvals*

NTEP

c (UL) US
LISTED

c (UL) US

OIML

Measurement
Canada
Approved

CE

** Touch-only units
pending approvals*

Specifications

Power:
AC voltages: 100-240 VAC; 50-60 Hz
DC voltages: 11-30 VDC
Consumption: 60 W

Excitation Voltage:
10 ± 0.5 VDC
16 x 350Ω or 16 x 700Ω load cells per A/D card

Analog Signal Input Range:
-60 mV to 60 mV

Analog Signal Sensitivity:
0.3 µV/graduation minimum at 7.5 Hz–120 Hz
1.0 µV/graduation recommended

A/D Sample Rate:
7.5 to 960 Hz, software selectable

Resolution:
Internal: 8 million counts
Display: 9,999,999

System Linearity
± 0.01% full scale

Digital I/O:
Eight I/O channels on CPU board; optional serial ports:
24-channel I/O expansion boards available

Communication Ports:
Port 1 & 2: Full duplex RS-232 with CTS/RTS,
RS-422/485
Baud Rate: 1200 to 115200
Port 3: USB 2.0 Device (Micro)
Port 4: Bluetooth® SPP 2.1+EDR, Standards 4Mbaud
USB Host: (2) Type A Connectors max 500 mA
Ethernet: Wired 10/100 Auto-MDX
Ethernet: Wireless 802.11 b/g/n 2.4GHz

Onboard:
Selectable filters: Three stage, Adaptive or Damping
Embedded Linux® OS
8 GB eMMC (system use)
1 GB DDR3 RAM
460 MB onboard database (SQLite) storage
Up to 32 GB micro SD card (sold separately)

Display:
Seven-inch, 800 x 480 pixel, graphical color TFT
display 500 or 1000 NIT
Twelve-inch, 1280 x 800 pixel, graphical color TFT
display 1500 NIT

Keys/Buttons:
22-key membrane panel, tactile buttons, on-screen
keyboard for text and numeric entry, USB port for flash
drive, keyboard and printer

Temperature Range
Certified: 14°F to 104°F (-10°C to 40°C)
Operating: -4°F to 131°F (-20°C to 55°C)

Weight:
Universal enclosure: 11 lb (4.9 kg)
Panel mount enclosure: 8 lb (3.6 kg)
Wall mount enclosure: 23 lb (10.4 kg)
Panel mount 7 in touch-only enclosure: 7 lb (3.1 kg)
Panel mount 12 in touch-only enclosure: 10 lb (4.5 kg)

Rating/Material:
IP66 stainless steel wall enclosure
IP69K stainless steel universal and panel mount door

Warranty:
Two-year limited warranty

EMC Immunity:
EN 50082 Part 2 IEC EN 61000-4-2, 3, 4,
5, 6, 8, and 11

Approvals:
NTEP CC 15-00/Class III/IIIL 10,000d
Measurement Canada AM-5980C,
Class III/III HD 10,000d
OIML R76/2006-NL1-16.04 Class III/IIII 10,000d
EU Test Certificate TC8596
UL/cUL Listed (universal)
UL/cUL Recognized (panel mount)
CE Marked

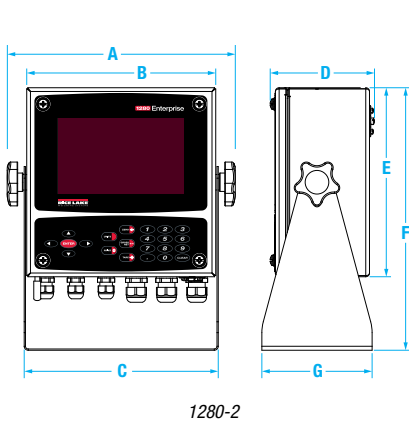RICE LAKE

7-inch model with keypad

7-inch touch-only model

12-inch touch-only model

Numeric Keypad Models:

1280-2
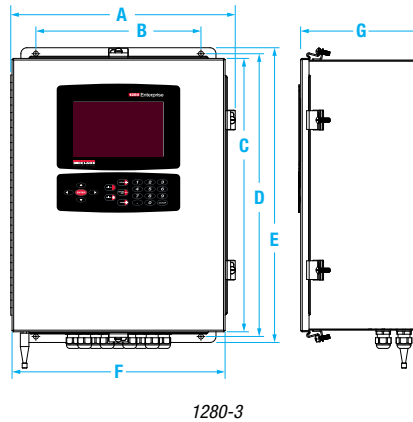
1280-3
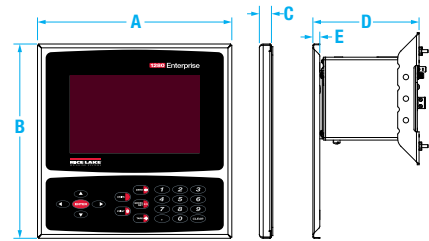
1280-4

Universal (1280-2) Dimensions			
A	10.86 in (276 mm)	B	6.22 in (158 mm)
C	9.24 in (235 mm)	D	4.97 in (126 mm)
E	9.00 in (229 mm)	F	12.50 in (318 mm)
G	5.25 in (133 mm)		

Wall Mount (1280-3) Dimensions			
A	14.92 in (379 mm)	B	11 in (279 mm)
C	18.22 in (463 mm)	D	18.84 in (479 mm)
E	19.64 in (499 mm)	F	14.20 in (361 mm)
G	8.08 in (205 mm)		

Panel Mount (1280-4) Dimensions			
A	9.00 in (229 mm)	B	9.00 in (229 mm)
C	0.58 in (15 mm)	D	5.34 in (136 mm)
E	0.32 in (8 mm)		

Touch-only Models:
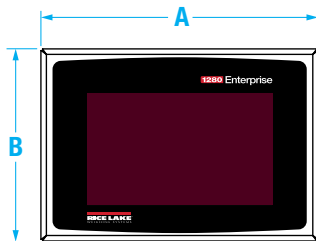
1280-5
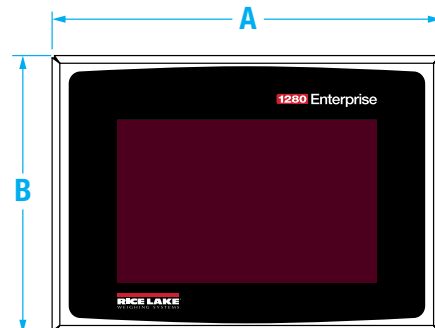
1280-6

7-inch Touch-only (1280-5) Dimensions			
A	9.00 in (229 mm)	B	6.22 in (158 mm)

12-inch Touch-only (1280-6) Dimensions			
A	14.00 in (356 mm)	B	10 in (254 mm)

INDICATORS / CONTROLLERS

www.ricelake.com | Phone: 800-472-6703

RICE LAKE