

480/482 Legend® Series

Digital Weight Indicator

INDICATORS /
CONTROLLERS



Specifications

Power:

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

Power Consumption:

8 W

Excitation Voltage:

5 VDC, 8 × 350 ohm or 16 × 700 ohm load cells

Analog Signal Input Range:

±7 mV/V

Analog Signal Sensitivity:

0.1 µV/graduation minimum,
0.5 µV/graduation recommended

A/D Sample Rate:

5, 10, 20, 40 Hz, software selectable

Resolution:

Internal: 523,000 counts
Display: 100,000

System Linearity:

Within 0.01% of full scale

Digital I/O:

Optional 2 or 4 inputs
4 or 8 dry-contact relays

Communication Ports:

Com 1: RS-232 full duplex
Com 2: RS-232 full duplex or 20 mA simplex, continuous
Both ports 1200, 2400, 4800, 9600, 19200, 38400 baud seven or eight data bits, even, odd or no parity

(Optional) Analog Output:

16-bit resolution, voltage output 0-10 VDC, current output 0-20 mA / 4-20 mA

(Optional) Relay Board:

Two opto-isolated, 5 to 24 VDC, active high inputs
Primary keys, pseudo functions, batching functions
(4) 30 VDC, 2 amp dry-contact relays

Annunciators:

Gross, net, center of zero, standstill, lb, kg, tare, preset tare

Display:

480/480 Plus: LED display
0.8 in (20 mm), six-digit, seven-segment
482/482 Plus: LCD backlit display, transmissive/transflective
0.8 in (20 mm), six-digit, seven-segment

Keys/Buttons:

Flat membrane panel, embossed keys, tactile feel

Temperature:

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

Rating/Material:

NEMA Type 4X/IP66
Stainless steel

Weight:

6.4 lb (2.9 kg)

Warranty:

Two-year limited

EMC Immunity:

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

Approvals:

NTEP 12-123, Class III/IIIL, 10,000 d
Measurement Canada AM-5892C
OIML R76/2006-NL1-15.24
EU Test Certificate TC8322
CE Marked
cULus
UKCA

Approvals



Measurement
Canada
Approved



UK
CA

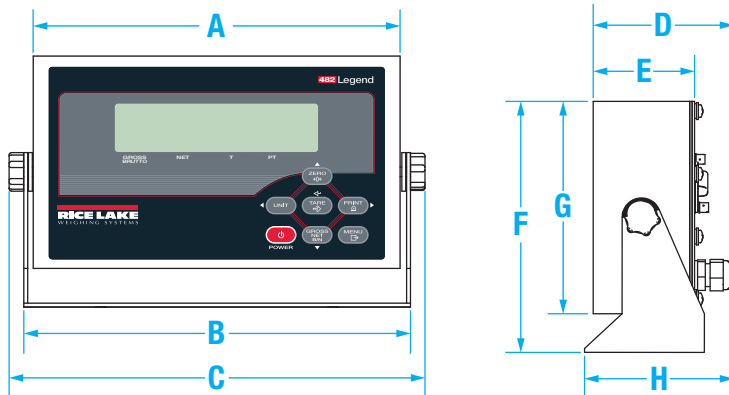


Standard Features

- LED display (480)
- LCD backlit display (482)
- Time and date, battery backed
- Local/remote operation
- Numeric keypad (480 Plus/482 Plus)
- Keyed entries for setpoint values (480 Plus/482 Plus)
- Two independent serial ports
- NEMA Type 4X/IP66 stainless steel washdown enclosure
- Programmable ticket formats for gross, net, accumulator and setpoints
- Five continuous stream formats
- Adapter filter or rolling average filter
- Operator functions through menu for audit trail, preset tare, unit ID, accumulator, time and date, setpoints, communications and print formats
- Eight setpoints, sequenced batch engine
- Configurable with Revolution® software

Dimensions

480/482 Legend Series			
A	9.50 in (241 mm)	D	3.65 in (92 mm)
B	10.00 in (254 mm)	E	2.75 in (70 mm)
C	11.00 in (279 mm)	F	7.00 in (178 mm)
		G	6.00 in (152 mm)
		H	3.75 in (95 mm)



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Part Number/Price

Part #	Description	Est. Weight	Price
480 Indicator 115 VAC †			
126564 †	480 LED	8 lb	Consult
130338 †	480 LED with analog output	8 lb	Consult
480 Indicator 90 to 264 VAC ††			
126565 ††	480 LED	8 lb	Consult
130339 ††	480 LED with analog output	8 lb	Consult
480 Plus Indicator 115 VAC †			
164588 †	480 Plus LED	8 lb	Consult
164589 †	480 Plus LED with analog output	8 lb	Consult
164590 †	480 Plus LED with relay output	8 lb	Consult
480 Plus Indicator 90 to 264 VAC ††			
164591 ††	480 Plus LED	8 lb	Consult
164592 ††	480 Plus LED with analog output	8 lb	Consult
164593 ††	480 Plus LED with relay output	8 lb	Consult
482 Indicator 115 VAC †			
164581 †	482 LCD	8 lb	Consult
482 Indicator 90 to 264 VAC ††			
164672 ††	482 LCD	8 lb	
482 Plus Indicator 115 VAC †			
164584 †	482 Plus LCD	8 lb	Consult
482 Plus Indicator 90 to 264 VAC ††			
164673 ††	482 Plus LCD	8 lb	Consult

Options/Accessories

Part #	Description	Price
131340	Mounting bracket for option boards	Consult
131341	Analog output, 0-10 VDC, 4-20 mA (requires 131340)	Consult
131342	Relay board, two digital inputs, four dry contact outputs (requires 131340)	Consult
165379	Flash update cable	Consult
151100	A/D sealing kit, used with audit trail tracking	Consult
151099	Panel mount bezel (not NEMA Type rated)	Consult
83564	Clear protective overlay (package of five)	Consult
223864	Knob, stainless steel M6 x 1.0 in	Consult
119201	Installation manual (480 indicator)	Consult
165124	Installation manual (482 indicator)	Consult
Primary Replacement Components		
131345	Overlay, 480 six-key, red window	Consult
159612	Overlay, 480 Plus with numeric keys, red window	Consult
131346	Display board, LED	Consult
161048	Overlay, 482 six-key, green window	Consult
161049	Overlay, 482 Plus with numeric keys, green window	Consult
153776	Display board, LCD	Consult
131316	Power supply, 85-265 VAC	Consult
131318	CPU board	Consult
131319	A/D board	Consult

* Revolution can be downloaded for free at www.ricelake.com

To have your option factory installed, please specify when placing your order.



† US plug (NA) - Type B



†† Euro Plug - Type E