

# 480/482 Legend® Series Digital Weight Indicator

**RICE LAKE®**  
WEIGHING SYSTEMS

As of: Thursday, March 6, 2025



## Standard Features

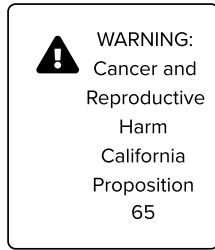
- LED display (480)
- LCD backlit display (482)
- Time and date, battery backed
- Local/remote operation
- Numeric keypad (480 Plus/482 Plus)
- Keyed entries for setpoint values (480 Plus/482 Plus)
- Two independent serial ports
- NEMA Type 4X/IP66 stainless steel washdown enclosure
- Programmable ticket 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

## Approvals



Measurement  
Canada  
Approved





## 480/482 Digital Weight Indicator: Value and Performance Redefined

With NEMA Type 4X, stainless steel enclosure and advanced gasket system, the industrial-strength Legend Series is built for dirty, wet environments and demanding workplaces, inside or out. Choose between large, ultra-bright LED or LCD 0.8-inch displays with 6-digits and sharp contrast for superior display visibility.

Advanced circuitry withstands electrical noise, power disturbances and transient spikes that are common to industrial applications. The Legend Series' six-button tactile keypad allows for quick navigation and programming. The Legend Plus Series offers a full numeric keypad.

The Legend Series offers a valuable solution for a variety of applications, from basic weighing to batching. Built-in gross/net modes provide quick flexibility for everyday needs. Also utilize the 480's custom ticket printing to modify gross, net and setpoint tokens for a tailored print format.

## 480/482 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, 10,000d

Measurement Canada AM-5892C

OIML R76/2006-NL1-15.24

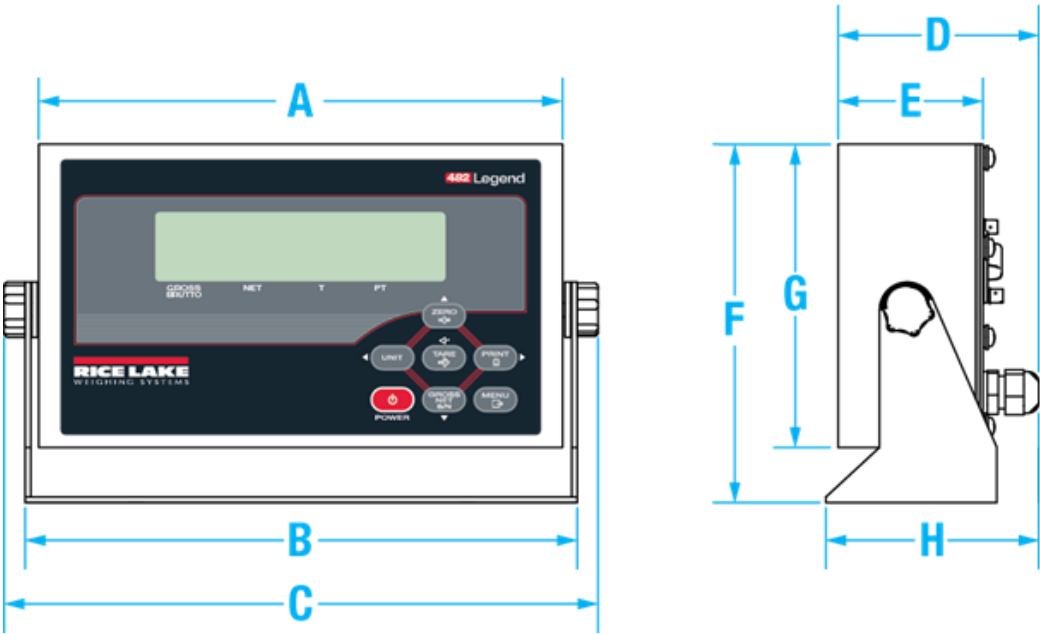
EU Test Certificate TC8322

CE Marked

cULus

UKCA

480/482 Dimensions



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

## Parts

---

### Part # Description

#### 480 Legend Series 115 VAC

**126564** Indicator, 480 Legend LED Display, 115VAC NEMA 5-15 Plug, Stainless Steel Enclosure

**130338** Indicator, 480 Legend LED Display, 115VAC NEMA 5-15 Plug, Stainless Steel Enclosure with Analog Output 0-10VDC, 4-20ma.

#### 480 Legend Series 90 to 264 VAC

**126565** Indicator, 480 Legend LED Display, 90-264VAC with Euro Plug, Stainless Steel Enclosure

**130339** Indicator, 480 Legend LED Display, 90-264VAC with Euro Plug, Stainless Steel Enclosure, With Analog Output 0-10VDC, 4-20ma

#### 480 Plus Legend Series 115 VAC

**164588** Indicator, 480 Plus Legend LED Display, Numeric Keypad, 115VAC NEMA 5-15 Plug Stainless Steel Enclosure

**164589** Indicator, 480 Plus Legend LED Display, Numeric Keypad, 115VAC NEMA 5-15 Plug with Analog Output 0-10VDC, 4-20ma. Stainless Steel Enclosure

**164590** Indicator, 480 Plus Legend LED Display, Numeric Keypad, 115VAC NEMA 5-15 Plug, Digital I/O and Relay Output. Stainless Steel Enclosure.

#### 480 Plus Legend Series 90 to 264 VAC

**164591** Indicator, 480 Plus Legend LED Display, Numeric Keypad, 90-264VAC CEE 7/7 Plug Stainless Steel Enclosure

**164592** Indicator, 480 Plus Legend LED Display, Numeric Keypad, 90-264VAC CEE 7/7 Plug with Analog Output 0-10VDC, 4-20ma. Stainless Steel Enclosure

**164593** Indicator, 480 Plus Legend LED Display, Numeric Keypad, 90-264VAC CEE 7/7 Plug Digital I/O and Relay Output. Stainless Steel Enclosure.

#### 482 Legend Series 115 VAC

**164581** Indicator, 482 Legend LCD Display, 115VAC NEMA 5-15 Plug, Stainless Steel Enclosure

#### 482 Legend Series 90-264 VAC

**164672** Indicator, 482 Legend LCD Display, 90-264VAC CEE 7/7 Plug, Stainless Steel Enclosure

#### 482 Plus Legend Series 115 VAC

**164584** Indicator, 482 Plus Legend LCD Display, Numeric Keypad, 115VAC NEMA 5-15 Plug, Stainless Steel Enclosure

#### 482 Plus Legend Series 90-264 VAC

**164673** Indicator, 482 Plus Legend LCD Display, Numeric Keypad, 90-264VAC 7/7 Plug Stainless Steel Enclosure

# Options

---

Part #	Description
131340	Bracket,Mounting Assy for Option Modules in 480 Indicator

---

Part #	Description
<b>131341</b>	Ind OPT, Analog Output 480, 0-10VDC, 4-20Ma
<b>131342</b>	Ind OPT, Relay 480 2 Digital Inputs, 4 Dry contact relays
<b>165379</b>	Cable,480 Flash Update Connects into J14 via RS232.
<b>151100</b>	Ind Opt,A/D Sealing Kit Cover for A/D on 480 Indicator
<b>151099</b>	Panel,Mount Option 480/680 Indicator,Gasketed Non-NEMA Seal.
<b>83564</b>	Overlay,Clear Protective Window with Adhesive Edge, Package of Five Each, IQ+355, 320IS, 420, CW90
<b>223864</b>	Knob, Star M6x1.0 304 SST
<b>119201</b>	LIT,Manual 480 Technical 480 Legend Series Technical Manual
<b>165124</b>	LIT,Manual 482 Technical 482 Legend Series Technical Manual

### Primary Replacement Components

<b>131345</b>	Overlay, 480 Keypad 6-key For LED window
<b>159612</b>	Overlay, 480 Plus LED Numeric keypad
<b>131346</b>	Display Board,480 LED 7 Segment
<b>161048</b>	Overlay, 482 keypad 6-key Window for LCD Display
<b>161049</b>	Overlay, 482 Plus LCD Numeric Keypad
<b>153776</b>	Display Board,482 LCD 7 Segment Display With BackLight
<b>131316</b>	Power Supply, Switching 85-265VAC Input, 6VDC Output, 480 indicator
<b>131318</b>	Board ASSY,CPU 480 482
<b>131319</b>	Board,A/D ASSY 480

**www.ricelake.com | 800-472-6703**

*An ISO 9001 Registered Company ©2024 Rice Lake Weighing Systems*