

# 480 Legend™ Series

DIGITAL WEIGHT  
INDICATOR



**RICE LAKE**  
WEIGHING SYSTEMS

To be the best by every measure®

800-472-6703  
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480  
482

# Legend™ Series

DIGITAL WEIGHT INDICATOR

# Defining Value and Performance

Rice Lake's Legend Series combines industrial strength with innovative features to deliver the best in performance and value.

## Advance to Rice Lake's Legend Series

With NEMA 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 displays with 0.8-inch 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. Advance to the Legend Plus Series for a full numeric keypad.

The Legend Series offers a valuable solution for a variety of applications, from basic weighing to batching. Keyed tare and 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

## Power

- Standard AC power for stationary applications
- Optional internal battery for portability, with power-saving modes for long-lasting operation

## Options

- Analog output with 0-10 VDC, 4-20 mA; configurable for positive and negative value tracking
- Relay output with two inputs and four dry contact relays
- USB and Ethernet TCP/IP board supports server and client connections

## Functions

- Internal clock with time stamp can be positioned in configurable print formats
- Unit ID number can be entered by the operator to uniquely identify each scale or job
- Eight batch steps with latched or continuous outputs based on gross, net or delay values

## Features

- Two serial ports: two on demand and one continuous
- Single scale input from light capacity bench scales to heavy capacity industrial scales
- Local/remote: add an additional indicator as a secondary display in a remote location

480  
482

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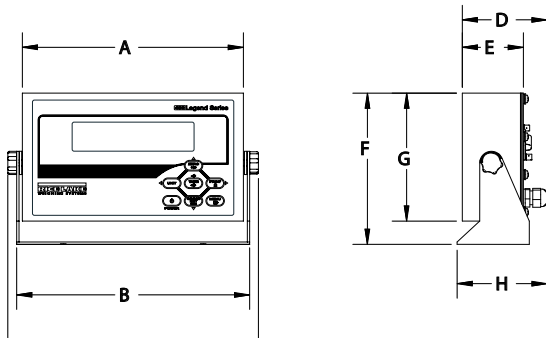
DIGITAL WEIGHT INDICATOR

## Standard Features

- Large 0.8 in display  
LED, 480 and 480 Plus  
LCD, 482 and 482 Plus
- Time and date, battery backed
- Local/Remote operation
- Numeric keypad (480 Plus and 482 Plus)
- Keypad entries for tare and setpoint values
- Two independent serial ports, RS-232 and 20 mA
- NEMA 4X/IP66 stainless steel washdown enclosure
- Password protection for user and configuration changes
- Selectable conversion rate and display update rate
- Hardware or audit trail metrology sealing
- Programmable ticket formats for gross, net, accumulator, and setpoints
- Five continuous stream formats
- Adapter filter or rolling average filter
- Configurable with Revolution software
- 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

## Options/Accessories

- Analog output, 0-10VDC, 4-20mA, selection for 20% offset
- Relay output, two digital inputs, four dry contact relays (supports two boards)
- Battery, rechargeable Lithium Ion  
Power for 40 hours of battery life on (1) 350 ohm load  
Power-saving modes for sleep and wake-up threshold
- Ethernet TCP/IP and USB interface



## LEGEND SERIES DIMENSIONS

A	9.50 in (241 mm)	E	2.75 in (70 mm)
B	10.00 in (254 mm)	F	7.00 in (177 mm)
C	11.00 in (279 mm)	G	6.00 in (152 mm)
D	3.65 in (92 mm)	H	3.75 in (95 mm)

## Specifications

<b>Power:</b>	<b>Line voltages:</b> 115 - 230VAC <b>Frequency:</b> 50 or 60Hz <b>Estimated battery life:</b> 40 hours (one 350 ohm load cell) without backlight; 15 hours (one 350 ohm load cell) with backlight
<b>Excitation Voltage:</b>	5VDC, 8 x 350Ω load cells
<b>Analog Signal Input Range:</b>	±7 mV/V
<b>Analog Signal Sensitivity:</b>	0.1 uV/graduation minimum 0.5 uV/graduation recommended
<b>Resolution:</b>	<b>Internal:</b> 523,000 counts <b>Display:</b> 100,000 displayed graduations
<b>Measurement Rate:</b>	Selectable 5, 10, 20, 40 Hz
<b>System Linearity:</b>	Within 0.01% of full scale
<b>Digital Inputs:</b>	Two inputs (requires relay output option). Primary keys, pseudo functions, batching functions
<b>Circuit Protection:</b>	Immunity 10V/m ESD ± 10KV air ± 6KV contact
<b>RFI Protection:</b>	Capacitor bypass and ESD suppressors
<b>Serial Output:</b>	<b>Com 1:</b> RS-232 full duplex; <b>Com 2:</b> RS-232 full duplex or 20 mA simplex; Both ports 1200, 2400, 4800, 9600, 19200, 38400 baud, 7 or 8 data bits, even, odd or no parity
<b>Display:</b>	0.8 in (20 mm), 7-segment digits
<b>Status Annunciators:</b>	Gross, Net, Center of Zero, Standstill, lb, kg, Tare, Preset Tare
<b>Keyboard:</b>	Flat membrane panel, embossed keys, tactile feel
<b>Analog Output Option:</b>	16-bit resolution, voltage output 0-10VDC, current output 0-20 mA / 4-20 mA
<b>Relay Board Option:</b>	(2) Opto-isolated, 5 to 24VDC, active high inputs (4) 30VDC, 2 amp dry-contact relays,
<b>Operating Temperature:</b>	Legal: 14°F to 104°F (-10°C to 40°C) Industrial: 14°F to 122°F (-10°C to 50°C)
<b>Weight:</b>	6.4 lb (2.9 kg)
<b>Rating/Material:</b>	Enclosure: NEMA 4X/IP66, heavy gauge stainless steel

## Warranty

- Two-year limited warranty

## Approvals



NTEP CC 12-123,  
III IIII,  $\tau_{max}$  10,000



T5692  
TC3322  
III IIII  $\tau_{max}$  10,000

Measurement  
Canada  
Approved

AM-5992  
III IIII  $\tau_{max}$  10,000



Pending on 482

Your Rice Lake Weighing Systems distributor is:

Interweigh Systems Inc.  
Phone: 800-268-3269  
e-mail: [inquiry@interweigh.ca](mailto:inquiry@interweigh.ca)  
[www.InterweighSystems.ca](http://www.InterweighSystems.ca)

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