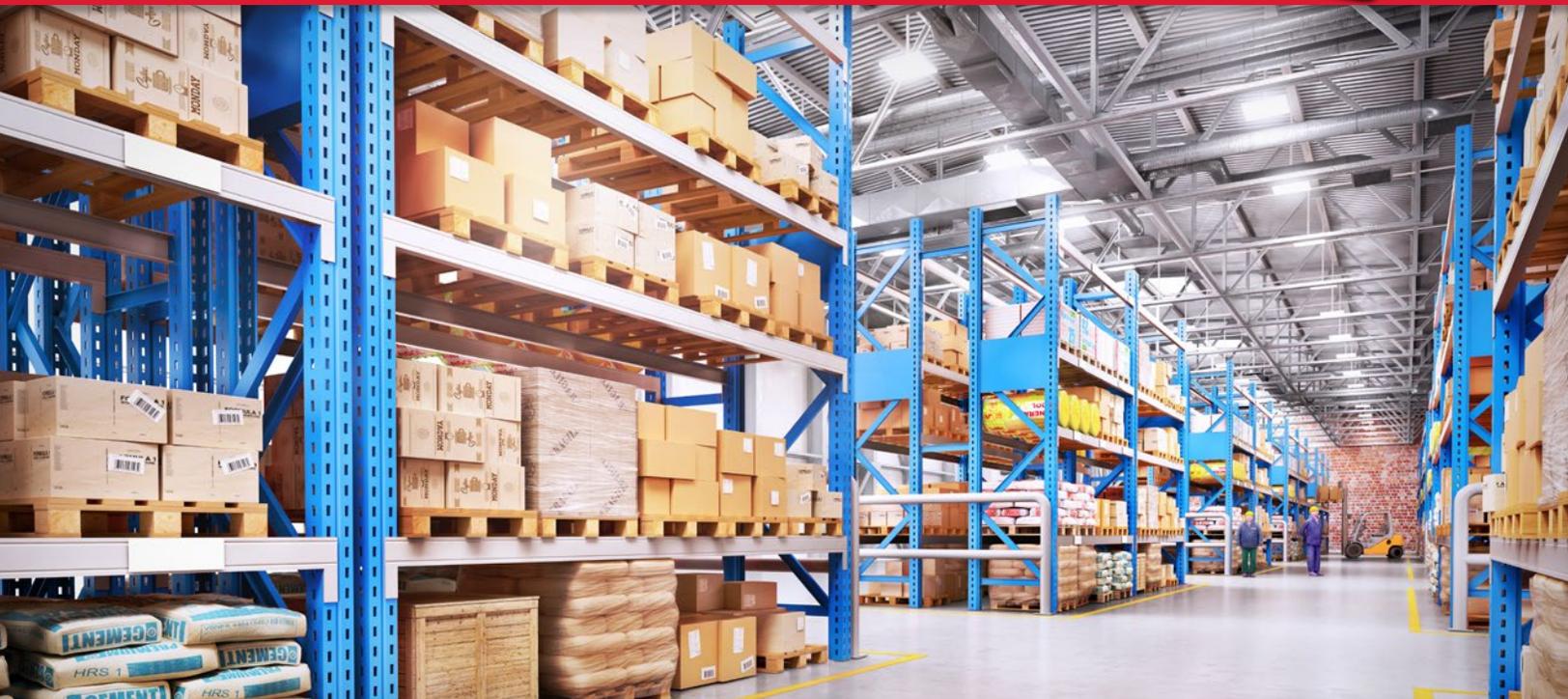


# 381 Synergy

BATTERY-POWERED  
DIGITAL WEIGHT INDICATOR



**RICE LAKE**<sup>®</sup>  
WEIGHING SYSTEMS

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BATTERY-POWERED DIGITAL WEIGHT INDICATOR



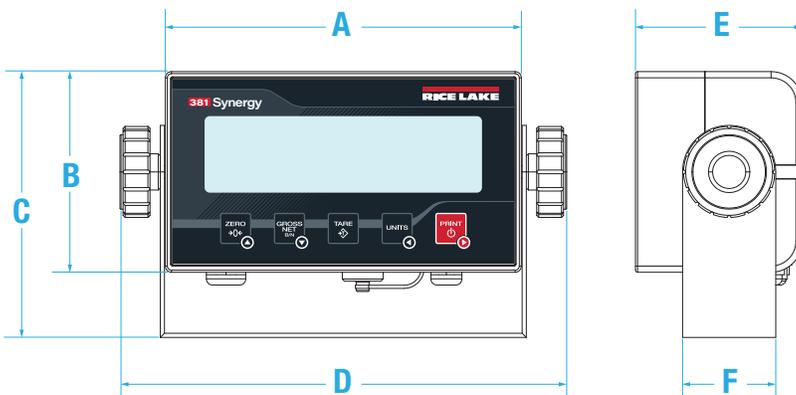
## Performance Meets Economy

The 381 Synergy Series digital weight indicator is designed to provide reliable operation of straightforward weighing systems, including material handling and warehouse scales. The LCD weight display is clearly visible to operators, allowing the 381 Synergy to be mounted almost anywhere. A five-button keypad simplifies operation, and RS-232 and USB ports provide connection to peripheral equipment.

## Reliable Battery-backed Performance

The 381 Synergy has an ABS plastic enclosure with two different battery options, enabling you to create the ideal portable weighing solution for your operations. The AA battery-operated model provides up to 40 hours of operation and has an IP54 rating. The Nickel Metal Hydride (NiMH) battery-operated model provides up to 80 hours of operation with an IP66 rating. Both battery versions have an optional external power adapter.

Dimensions	
A	6.77 in (175 mm)
B	3.82 in (97 mm)
C	5.06 in (129 mm)
D	8.50 in (216 mm)
E	3.17 in (81 mm)
F	1.77 in (45 mm)



## STANDARD FEATURES

- LCD display
- Battery powered
- Push-button and keyed tare
- Two communication ports
- Five tactile buttons
- Configurable print formats
- ABS enclosure

## OPTIONS

- Time/date
- External power supply

## SPECIFICATIONS

<b>POWER:</b>	Batteries: AA or nickel metal hydride (NiMH) Optional: 115/230VAC to 12VDC adapter
<b>POWER CONSUMPTION:</b>	6 W max with external power adapter
<b>BATTERY LIFE:</b>	AA: 40 hours with 1 × 350 ohm load cell NiMH: 80 hours with 1 × 350 ohm load cell
<b>EXCITATION VOLTAGE:</b>	5 VDC, 8 × 350 ohm or 16 × 700 ohm load cells
<b>ANALOG SIGNAL INPUT RANGE:</b>	-0.3 mV to +30 mV common mode voltage 0.7V to 3.3V
<b>ANALOG SIGNAL SENSITIVITY:</b>	1 µV/graduation recommended
<b>A/D SAMPLE RATE:</b>	5, 6, 10, 12, 20, 25, 40, 50, 80, 100Hz, software selectable
<b>RESOLUTION:</b>	Internal: 8,000,000 counts Display: 100,000
<b>SYSTEM LINEARITY:</b>	Within 0.01% full scale
<b>COMMUNICATION PORTS:</b>	One RS-232 (three-wire) One USB 2.0
<b>ANNUNCIATORS:</b>	g, lb, t, tn, kg, oz, battery level, PT, LT, gross, zero, unstable, net
<b>DISPLAY:</b>	Six 1 in (25 mm) tall, LCD digits
<b>KEYS/BUTTONS:</b>	5 tactile buttons
<b>DIMENSIONS:</b>	(L × W × H) 8.50 x 3.17 x 5.06 in (215.8 x 80.5 x 128.5 mm)
<b>TEMPERATURE RANGE:</b>	Legal: 14 °F to 104 °F (-10 °C to 40 °C) Industrial: 14 °F to 122 °F (-10 °C to 50 °C)
<b>RATING/MATERIAL:</b>	AA Battery: IP54, ABS NiMH Battery: IP66, ABS
<b>WARRANTY:</b>	Two-year limited
<b>EMC IMMUNITY:</b>	10 V/m

## APPROVALS:



SALES AND TECHNICAL ASSISTANCE

**RICE LAKE**  
WEIGHING SYSTEMS

**HEADQUARTERS**  
230 West Coleman Street  
Rice Lake, Wisconsin 54868 - USA  
Tel: (715) 234 9171 | Fax: (715) 234 6967  
[www.ricelake.com](http://www.ricelake.com)