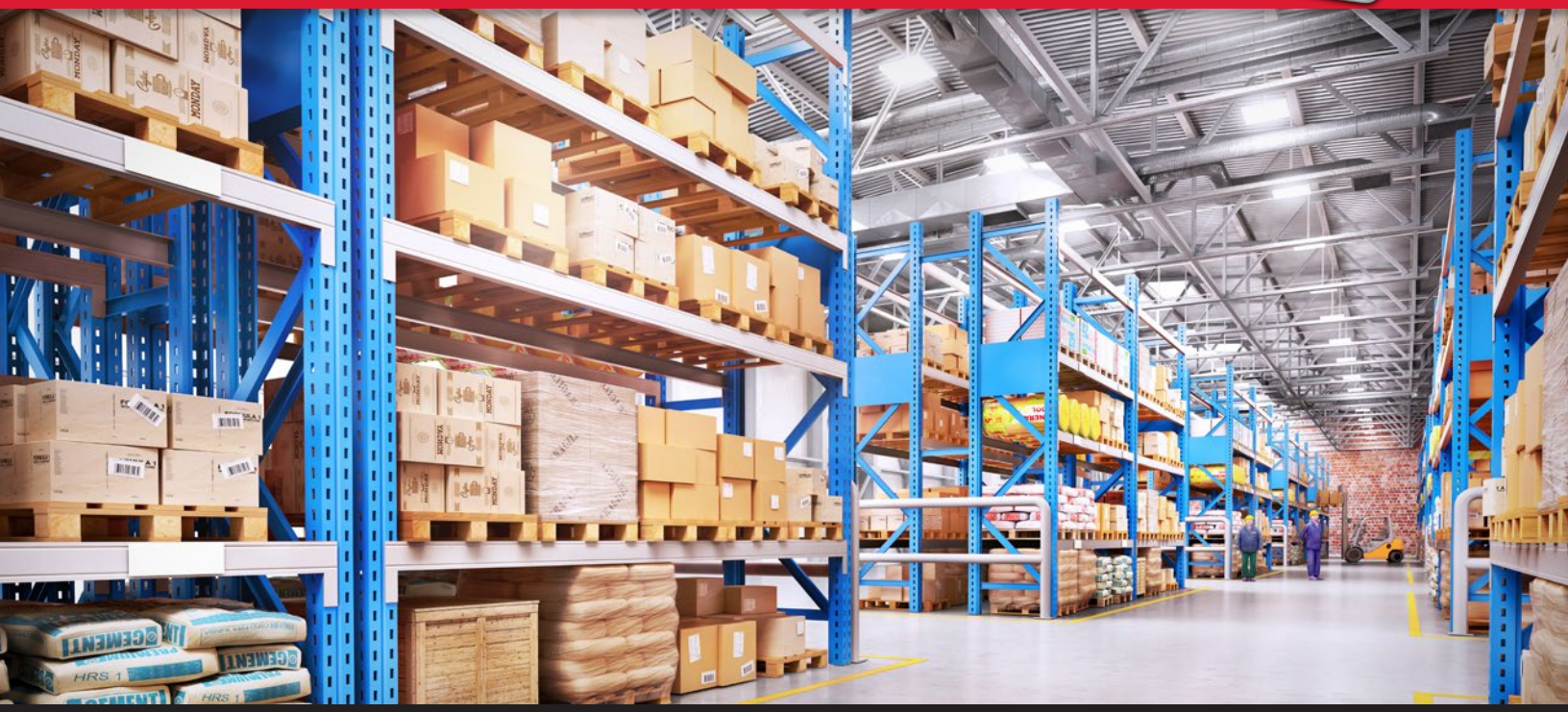
381 Synergy

BATTERY-POWERED
DIGITAL WEIGHT INDICATOR



RICE LAKE®
WEIGHING SYSTEMS

800-472-6703
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381 Synergy

BATTERY-POWERED DIGITAL WEIGHT INDICATOR

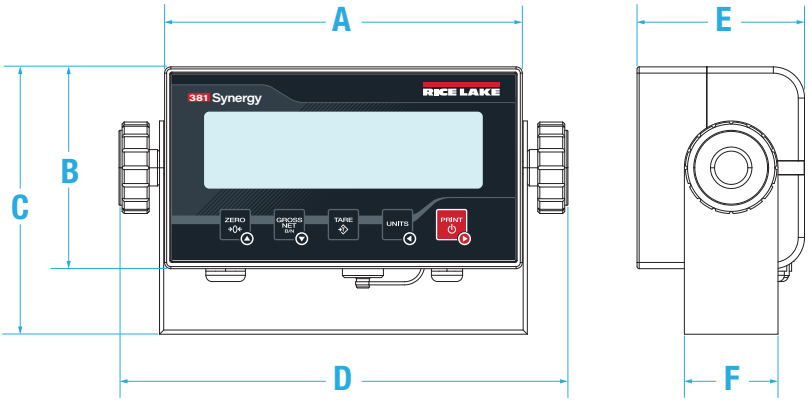
Performance Meets Economy

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

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

APPROVALS:

NTEP CC 21-051 Class III 10,000 D

Measurement Canada Approved AM-6184, Class III 10,000 D

CE

SALES AND TECHNICAL ASSISTANCE

RICE LAKE WEIGHING SYSTEMS

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