

# 380X Synergy

BATTERY-POWERED WASHDOWN  
DIGITAL WEIGHT INDICATOR



**RICE LAKE®**  
WEIGHING SYSTEMS

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# 380X Synergy

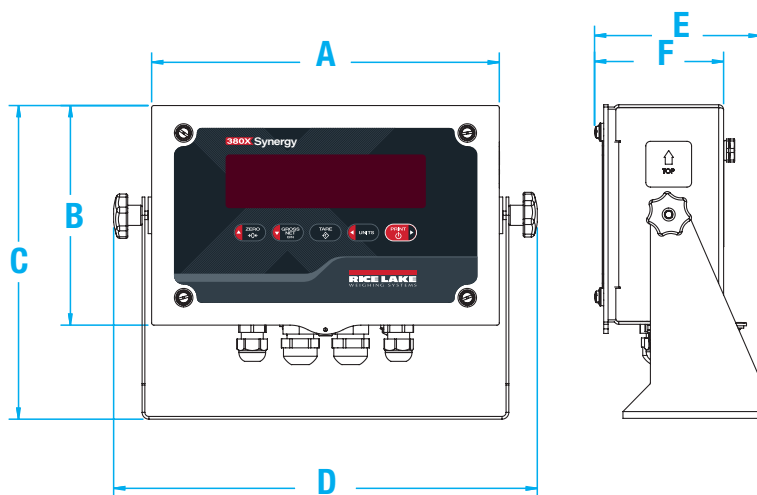
BATTERY-POWERED WASHDOWN DIGITAL WEIGHT INDICATOR

## Straightforward Operation for Washdown Environments

The 380X Synergy Series is a washdown indicator designed for demanding environments. The 304 stainless steel enclosure has an IP69K rating, ensuring sensitive electronics are protected from washdown processes in a variety of applications.

The bright, six-digit LCD display ensures operators can easily view weight data and a lithium-ion battery provides up to 45 hours of continuous operation. The 380X has RS-232 and USB ports to connect to peripheral equipment such as computers or printers. The five-button keypad and push-button or keyed tare make operation simple and efficient.

Dimensions			
A	9.50 in (241mm)	D	11.58 in (294 mm)
B	6.00 in (152 mm)	E	4.53 in (115 mm)
C	8.57 in (218 mm)	F	3.53 in (90 mm)



## STANDARD FEATURES

- LCD display
- Battery powered, internal charger
- Push-button and keyed tare
- Two communication ports
- Five tactile buttons
- Configurable print formats

## OPTIONAL

- Time/date

## SPECIFICATIONS

<b>POWER:</b>	Battery: Lithium ion Charger: 120 VAC internal
<b>POWER CONSUMPTION:</b>	25 W max with internal power
<b>BATTERY LIFE:</b>	45 hours, one 3500 load cell, no backlight 15 hours, four 3500 load cells, no backlight 10 hours, eight 3500 load cells, backlight
<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, 100 Hz, 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 full-duplex 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>	Five tactile buttons
<b>DIMENSIONS (L × W × H):</b>	(L × W × H) 11.58 × 4.53 × 8.57 in 294 × 115 × 218 mm
<b>TEMPERATURE RANGE:</b>	Certified: 14 °F to 104 °F (-10 °C to 40 °C) Operating: 14 °F to 122 °F (-10 °C to 50 °C)
<b>RATING/MATERIAL:</b>	IP69K, 304 Stainless steel
<b>WEIGHT:</b>	6.25 lb (3.0 kg)
<b>WARRANTY:</b>	One year limited warranty on battery Two year limited warranty on indicator and parts
<b>EMC IMMUNITY:</b>	10 V/m

## APPROVALS



Measurement  
Canada  
Approved  
AM-6184



SALES AND TECHNICAL ASSISTANCE

**RICE LAKE**  
WEIGHING SYSTEMS

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# 380X Synergy Series

Washdown Digital Weight Indicator



INDICATORS /  
CONTROLLERS

## Approvals



Measurement  
Canada  
Approved



## Standard Features

- LCD display
- Battery powered, internal charger
- Push button and keyed tare
- Two communication ports
- Five-tactile buttons
- Configurable print formats

## Options

- Time/date

## Part Number/Price

Part #	Description	Est. Weight	Price
214337	380X Universal battery powered	6.25 lb (3 kg)	Consult

## Options/Accessories

Part #	Description	Price
204258	Real time clock module	Consult
223864	Knob, stainless steel M6 x 1.0 inch	Consult

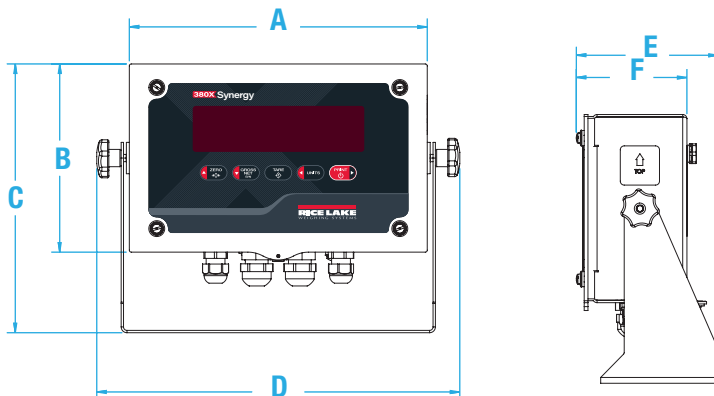
To have your option factory installed, please specify when placing your order.



† US plug (NA) - Type B

## Dimensions

380X Synergy Series			
A	9.50 in (241 mm)	D	11.58 in (294 mm)
B	6.00 in (152 mm)	E	4.53 in (115 mm)
C	8.57 in (218 mm)	F	3.53 in (90 mm)



## Specifications

### Power:

Battery: Lithium ion  
Charger: 120 VAC internal

### Power Consumption:

25 W max with internal power

### Battery Life:

45 hours, one 350 ohm load cell, no backlight  
15 hours, four 350 ohm load cells, no backlight  
10 hours, eight 350 ohm load cells, backlight

### 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 0.7 V to 3.3 V

### Analog Signal Sensitivity:

1 µV/graduation recommended

### A/D Sample Rate:

5, 6, 10, 12, 20, 25, 40, 50, 80, 100 Hz,  
software selectable

### Resolution:

Internal: 8,000,000 counts  
Display: 100,000

### System Linearity:

Within 0.01% full scale

### Communication Ports:

One full-duplex 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:

Five-tactile buttons

### Dimensions:

(L × W × H)  
11.58 × 4.53 × 8.57 in  
(294 × 115 × 218 mm)

### 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:

IP69K, 304 Stainless steel

### Weight:

6.25 lb (3 kg)

### Warranty:

One-year limited on battery  
Two-year limited on indicator and parts

### EMC Immunity:

10 V/m

### Approvals:

NTEP 21-051  
Measurement Canada AM-6184  
cULus  
CE  
UKCA  
IEC