

# CW-90 and CW-90X

Checkweigher Indicator Only

## Specifications

### Power - AC:

Line voltages: 115-230VAC  
Frequency: 50-60 Hz

### Power Consumption:

1.5A at 115VAC (8W)  
0.75A at 230VAC (8W)

### Excitation Voltage:

+5VDC 8 x 350Ω or 16 x 700Ω load cells

### Analog Signal Input Range:

-0.5 mV/V - 4.5 mV/V

### Analog Signal Sensitivity:

0.3 uV/graduation minimum,  
1.5 uV/graduation recommended

### A/D Sample Rate:

7.5 to 960 Hz software selectable

### Resolution:

Display: 100,000 graduations maximum

### System Linearity:

± 0.01% full scale

### Digital I/O:

Four channels on CPU board

### Circuit Protection:

RFI, EMI, ESD protection

### Status Annunciators:

Designators for percent, kg, gm, lb, oz, center of zero,  
G/B, N, T, PT, neg, motion

### Display:

Large 0.8 in 14-segment, six-digit high-intensity red  
LED display

### Keys/Buttons:

**CW-90:** Membrane keypad, 23 keys  
with international symbols

**CW-90X:** Piezo keypad, 11 keys with  
international symbols

### Temperature Range

Certified: 14°F to 104°F (-10°C to 40°C)

### Rating/Material:

**CW-90:** IP66, stainless steel

**CW-90X:** IP69K, stainless steel

### Warranty:

**CW-90:** Two-year limited warranty

**CW-90X:** Three-year limited warranty

### Approvals:

**CW-90:** NTEP CC 08-092, **CW-90X:** NTEP CC 08-092,  
Class III/IIIL 10,000d

Measurement Canada AM-5710

OIML R76/2006-GBI-10.02

EU Test Certificate GB-1385

UL/cUL Listed

CE marked



## Standard Features

- PreVent™ breather vent
- Storage for up to 50 IDs
- Unit of measure: kg, gm, lb, oz, lb/oz
- LED display, 0.8 in, six-digit, 14-segment
- Two full duplex serial ports
- Configurable print formats
- Audit trail tracking
- Optional communications: Ethernet, USB or fiber optic
- Four configurable digital I/O
- Reflash memory to upgrade firmware
- Auto print capability

### CW-90

- Membrane keypad consisting of zero, units, print, tare, over, under, ID, target, 0-9, clear, decimal, enter, menu, power
- 304 stainless steel, IP66 rated
- Time and date

### CW-90X

- Piezo keypad consisting of zero, units, print, tare, over, under, ID, target, enter, menu, power
- 304 stainless steel, IP69K rated
- Battery backed time and date

## Approvals



Measurement  
Canada  
Approved



# CW-90 and CW-90X

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## CW-90 Part Number/Price

Part #	Description	Est. Weight	Price
105970 <sup>†</sup>	CW-90, 115 VAC	7 lb	Consult
105971 <sup>††</sup>	CW-90, 230 VAC, CE marked/OIML approved	7 lb	Consult
118888 <sup>†</sup>	CW-90, 230 VAC	7 lb	Consult
171247 <sup>†††</sup>	CW-90, 230 VAC	7 lb	Consult

## CW-90X Part Number/Price

Part #	Description	Est. Weight	Price
105972 <sup>†</sup>	CW-90X, 115 VAC	7 lb	Consult
105973 <sup>††</sup>	CW-90X, 230 VAC, CE marked/OIML approved	7 lb	Consult
118889 <sup>†</sup>	CW-90X, 230 VAC	7 lb	Consult
171248 <sup>†††</sup>	CW-90X, 230 VAC	7 lb	Consult



<sup>†</sup> NEMA 5-15 plug



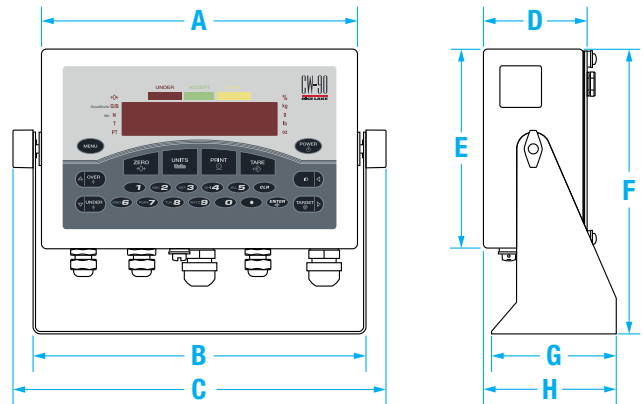
<sup>††</sup> CEE 7/7 plug (Euro)



<sup>†††</sup> IEC Type I plug

## CW-90 and CW90X Options/Accessories

Part #	Description	Price
77142	Ethernet TCP/IP	Consult
108671	Wireless LAN card Wi-Fi 802.11 A/B	Consult
93245	USB Port (PC connection only)	Consult
95357	USB cable, Type A to mini-B, 1 m	Consult
171968	Firmware download cable	Consult
96736	Fiber optic board	Consult
78026	Fiber optic, duplex cable 100 ft	Consult
80892	Fiber optic cutter	Consult
117358	WeighVault™ (requires part number 77142 or 108671)	Consult



### Dimensions

A	9.5 in (241 mm)	D	3.12 in (79 mm)	G	3.75 in (95 mm)
B	10.02 in (255 mm)	E	6.00 in (152 mm)	H	4.00 in (102 mm)
C	11.24 in (285 mm)	F	8.57 in (218 mm)		