

# OP-900 INDICATOR



**LCD**

## FEATURES

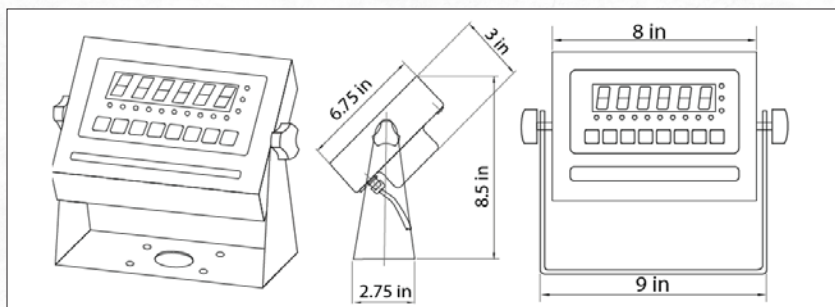
- Indicator is constructed with a Painted Steel, Stainless Steel or IP67 NEMA 4X Washdown Stainless Steel enclosure
- 1" LED or LCD display with backlight
- Units: LED (lb, kg), LCD (lb, kg, oz, lb:oz, g)
- Color coded check weighing ● Over ● Accept ● Under LED lights
- Washdown version has an IP67 certification to withstand high pressure and high temperature water cleaning to 1450 psi and 176°F/80°C
- Gross/Tare/Pre-Set Tare/Zero & Multiple Hold functions
- Count weighing & Accumulation weighing
- Overload / Underload alarm
- Power saving mode
- Automatic date and time update
- Ability to modify gravity based on different geographical locations
- 100% manual zero range setting
- Automatic error warning alarm
- Splash proof keyboard and display
- NTEP approved for 5,000 divisions, displays up to 50,000 graduations
- 1" LED or LCD display with backlight
- Mounting bracket and Hardware (included)
- Operates on 110V AC adapter (included) Battery -100 hrs (optional)
- Multi-point calibration (up to 5 points)
- Full Duplex RS-232 Serial Port for printer/computer/scoreboards
- Drives up to 6 350Ω load cells
- 1 Year Warranty

## OPTIONAL FEATURES

- LED or LCD display option
- Stainless steel or mild steel casing
- NEMA 4X Washdown casing
- Relay & Analog output
- 6V Rechargeable Battery
- Data Logging Software
- Wireless capability

## ACCESSORIES

- Thermal Ticket Printer
- Label Printer
- Zebra Label Printer
- Remote Display
- Indicator Stand
- Stainless steel enclosure
- I/O Card to control external system



**LED**

**OP-900A-SS LED  
NEMA 4X STAINLESS STEEL**

## SPECIFICATIONS

### Display:

LCD or LED; 1in. x 6 digit numeric

### Units:

lb, kg (primary), oz, g (LCD only)

### Accuracy Class:

5,000 e

### Resolution:

120,000 dd industrial; 10,000 dd HB44

### Excitation Voltage:

5V DC

### Largest Output Current:

120 mA

### Excitation Circuit:

5 VCD, 4 wire connections

### Load Cell:

6 load cells of 350 Ω maximum

### Load Cell Excitation:

5 ± 0.5VDC

### Display Resolution:

30,000; ADC: 2,000,000

### Zero Stability Error:

TKspn < ± 6 ppm//K

### Sensitivity (internal):

0.3 μV/d

### Input Voltage:

-30 to +30mV DC

### Power:

100~240VAC @ 50/60Hz

### Power Consumption:

5W @9VDC

### Operating Temperature:

14°F to 104°F ≤ 90%RH

### Internal Resolution:

24 bit A/D Sigma-Delta; 1,048,000 d

### Display Increments:

Selectable 1, 2, 5, 10, 20, 50

### Decimal Points:

Selectable 0, 1, 2, 3, 4

### Conversion Rate:

12 samples/second typical

### Analog Signal Input Range:

1mV/V to 3mV/V

### Analog Signal Sensitivity:

0.1 uV/graduation (min)

### Measurement Rate:

0 ~ 15mV

### Auto Zero Tracking:

0 - 5 dd increments

# OP-900 INDICATOR



**OP-900P  
BUILT-IN PRINTER**



**OP-900B-MS LCD  
PAINTED CARBON STEEL**



**OP-900A-SS LED  
STAINLESS STEEL**

PART#	DISPLAY	CASING	IP	POWER	CONNECTION	SHIP WT.
<b>MILD STEEL</b>						
OP-900A-MS-01	LED	Mild Steel	65	AC Adapter	Quick Disconnect	5 lbs
OP-900B-MS-01	LCD	Mild Steel	65	AC Adapter	Quick Disconnect	5 lbs
OP-900A-MS-02	LED	Mild Steel	65	AC Adapter & Battery	Quick Disconnect	5 lbs
OP-900B-MS-02	LCD	Mild Steel	65	AC Adapter & Battery	Quick Disconnect	5 lbs
<b>STAINLESS STEEL</b>						
OP-900A-SS-11	LED	Stainless Steel	65	AC Adapter	Quick Disconnect	5 lbs
OP-900B-SS-11	LCD	Stainless Steel	65	AC Adapter	Quick Disconnect	5 lbs
OP-900A-SS-12	LED	Stainless Steel	65	AC Adapter & Battery	Quick Disconnect	5 lbs
OP-900B-SS-12	LCD	Stainless Steel	65	AC Adapter & Battery	Quick Disconnect	5 lbs
<b>WASHDOWN</b>						
OP-900A-SL-13	LED	NEMA 4, Stainless Steel	66	Power Supply Only	Quick Disconnect	7 lbs
OP-900B-SL-13	LCD	NEMA 4, Stainless Steel	66	Power Supply Only	Quick Disconnect	7 lbs
OP-900A-SL-23	LED	NEMA 4, Stainless Steel	66	Power Supply & Battery	Hardwire	7 lbs
OP-900B-SL-23	LCD	NEMA 4, Stainless Steel	66	Power Supply & Battery	Hardwire	7 lbs
<b>With Built-in Thermal Printer</b>						
OP-900P-12	LED	Stainless Steel	65	AC Adapter & Battery	Quick Disconnect	8 lbs
<b>With 4-20ma Relay Output</b>						
OP-900A/O	LED	Mild Steel	65	AC Adapter	Quick Disconnect	5 lbs
<b>With 0-5V Relay Output</b>						
OP-900R/O	LED	Mild Steel	65	AC Adapter	Quick Disconnect	5 lbs

## PARTS

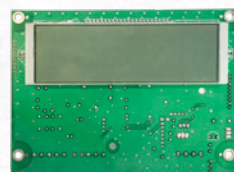
PART#	ACCESSORY	SHIP WT.
12052	AC Adapter	1 lbs
12053	AC Adapter Water Sealed	1 lbs
12054	Battery	2 lbs
12055	PCB Board (LED)	1 lbs
12056	PCB Board (LCD)	1 lbs
12057	Faceplate (Overlay)	1 lbs
12058	Mounting Bracket	2 lbs
12059	Clear Plastic Indicator Face Cover	1 lbs



**FACEPLATE (OVERLAY)**



**BATTERY**



**PCB BOARD**



**AC ADAPTER**