

## **General Specifications:**

1. Measuring pressure range: 0-100 psi with accuracy of +/- 0.25% F.S.; burst pressure: 300 psi.
2. When input pressure reaches 110 psi , screen will display ‘OFL’ with blinking backlight.
3. Overall dimensions: 2.6” OD x 0.46” (H); 4-digit LCD display ranging from +/- 0.001 to +/- 9999; blue LED backlight.
4. Waterproof PEF facial decal provides two push buttons for multiple operations.
5. Housing is made of reinforced ABS material that can withstand harsh environment.
6. Working temperature: -4 to 158 °F.
7. Operates on one 9VDC battery.
8. Automatic tare on power up.
9. Can be manually tared.
10. Pressure unit can be manually changed (between psi, Bar, Kgf/cm<sup>2</sup>, and Kpa) at any time and the value is automatically converted accordingly.
11. Unit automatically shuts off the entire power to conserve battery.
12. Auto-dim screen backlight (programmable timer setting).
13. Low battery indicator.
14. When low battery indicator begins blinking, meaning the battery capacity is critically low, the unit will power off automatically in 5 seconds.
15. Upon power on, the screen will first display the maximum measurable pressure level (in psi) before showing 0.0.

## **Operation Procedures:**

### **1. Automatic tare:**

At power up, the gauge measures the input pressure and compares it against the factory default setting (the ambient pressure at sea level). If the difference is within ± 0.3 psi, the gauge will deduct the value to make the readout show 0.0 psi; otherwise, the gauge will show the measured pressure result.

### **2. Manual tare:**

Press and hold **Zero** button for 3 seconds to tare the displayed readout. (Warning: Make sure the gauge is not connected to any pressure source before doing so).

### **3. Unit Button:** To change pressure unit in the sequential order of psi, Bar, Kgf/cm<sup>2</sup>, and Kpa.

### **4. ON/OFF button:** Press the button to instantly turn on or off the entire unit.

### **5. Backlight and automatic power-off timer:**

The default power-off timer is set at 3 minutes and the screen backlight is set at 10 seconds. As soon as the gauge registers 3 psi or higher, or any of the two buttons is being pressed within either time frame, both timers will be reset and start over.

### **6. Low battery indicator:**

Bars on the upper right corner indicating the remaining battery capacity. A new 9VDC battery is needed when it starts to blink.

**Electronic Specifications :**

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
OPERATING TEMPEATURE	Top	-20	-	+70	°C
STORAGE TEMPERATURE	Tst	-30	-	+80	°C
SUPPLY VOLTAGE MAXIMUM RATING	Vdc	+6	+9	+12	V
BATTERY VOLTAGE	Vbt	--	+9	--	V
ON STATE & BLEED OFF SUPPLY CURRENT (Vdc=9V)	Idc	--	--	15	mA
ON STATE & BLEED ON CURRENT (Vdc=9V)	Idc	--	--	30	mA
OFF STATE SUPPLY CURRENT (Vdc=9V)	Idc	--	--	15	uA

**Product Overall Dimension :**

