

# OBS-LE SERIES

## Digital LED Pressure Transmitter | Switch



- ✓ All Plastic One-Piece Design
- ✓ 4-20mA + 2 Relay Outputs
- ✓ Industry's Most Accurate |  $\pm 1.0\%$



### Product Description

The OBS-LE Series is the industry's only integral molded one-piece plastic Pressure Transmitter and Gauge Guard. Gauge Guards are utilized to protect the pressure gauge from any corrosive media in the process system via an isolator.

The OBS-LE Series Pressure Transmitters are truly unique and industry leading when it comes to pressure measurement in corrosive environments.

OBS-LE Pressure Transmitters are a one-piece design and come factory pre-filled, resulting in an industry leading accuracy of 1.0%. Eliminating the need for filling saves the user time and the difficulty of having to fill a gauge isolator.

The bright LED will change from green to red in any upset condition. The OBS-LE is equipped with a 4-20mA output + 2 Relays (NPN or PNP).

The OBS-LE Series is available in PVC, PP & PVDF, all equipped with a Teflon® Diaphragm, making the entire unit completely corrosion resistant and the perfect pressure gauge for chemical applications.

Engineering the entire body in a plastic housing rather than just the gauge guard allows users to be confident that the complete unit will stand up in even the most corrosive

### Integral Molded Gauge | Gauge Guard

- ✓ No Filling or Assembly Required
- ✓ Increased Accuracy Compared to 2 Piece Gauge + Gauge Guard
- ✓ Convuluted Teflon® Diaphragm for Higher Sensitivity



### LED Upset Condition Change

- ✓ LED Changes from Green to Red in Upset Condition
- ✓ Notification for Filter | Strainer Change-Out
- ✓ 4-20mA + 2 Relay Outputs



### Factory Pre-Filled

- ✓ Reduces Installation Time
- ✓ Increases Accuracy
- ✓ Eliminates the Mess of Self-Filling
- ✓ Removes Air Bubble Issues



### Features

- ✓ PVC | PP | PVDF
- ✓ Teflon® Bonded Diaphragm
- ✓ Large 2 1/2" Dial
- ✓ All Plastic | Completely Corrosion Resistant
- ✓ Psi | bar | MPa | Kg/cm²



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### Specifications

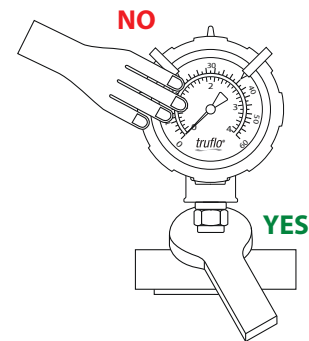
Mounting	Direct Mount   Bottom Connection
Process Connection	½" MNPT   FNPT   G   Flanged
Power Supply	10-30 VDC
Pressure Ranges   Psi	0-145
Lens	High Impact Polycarbonate
Output	4-20mA + 2 (NPN or PNP) Relays
Accuracy	± 1.0%
Operating Temperature	PVC - 140°F   PP - 190°F   PVDF - 240°F
Dial Diameter	2 ½"

### Installation Instructions

Do not tighten by grasping the case of the gauge as this may cause damage. **Always Pressure Test Connections for Leaks** with Water Prior to Use on Chemical Service

Before installing the OBS-LE Series pressure gauge, ensure attention is given to the Process Liquid, Chemical Compatibility, Temperature, Vibration, Pressure Spikes, and other climatic and application conditions that may adversely affect the performance.

The user shall ensure that the correct gauge pressure range and the correct materials of construction are selected.



### Standards and Approvals

CE | FCC

RoHS Compliant

### Temperature | Pressure Graphs | Non-Shock

**Note:** The Pressure/Temperature graphs are specifically for the Truflo® Pressure Gauges, during system design the specifications of all components must be considered.

### Model Selection

OBS-LE - P - M

Body Material	Connection
P - PVC PP - PP PF - PVDF	F - ½" FNPT G - Type M - ½" MNPT FL - Flanged

