

# Truflo® — OBS-LE Series

## Digital LED Pressure Transmitter | Switch

**ICON**™ Corrosion-Free  
PROCESS CONTROLS Instrumentation Equipment™

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



### Product Description

The **OBS-LE** Series is an integral molded One-Piece Plastic Pressure Transmitter and Gauge Guard.

Designed with a bright LED that changes from green to red in any upset conditions and a 4-20mA output + 2 Relays, OBS-LE pressure transmitters are truly industry leading and unique when it comes to pressure measurements in corrosive environments.

All **OBS-LE** transmitters are available in PVC, PP & PVDF and are equipped with a Teflon® Diaphragm, making the entire unit completely corrosion resistant and the perfect pressure gauge for chemical applications.

Gauge guards are utilized to protect the pressure gauge from any corrosive media in the process system via an isolator.

Engineering the entire body in plastic housing rather than just the guard allows users to be confident that the complete unit can withstand even the most corrosive environments.

### Features

- ✓ PVC | PP | PVDF
- ✓ Teflon® Bonded Diaphragm
- ✓ Large 2½" Dial
- ✓ All Plastic | Completely Corrosion Resistant
- ✓ Psi | Bar | MPa | kg/cm²

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### Integral Molded Gauge | Gauge Guard

- ✓ No Filling or Assembly Required
- ✓ Increased Accuracy Compared to Two-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 + Relay Outputs



### Model Selection

OBS-LE — All Plastic Pressure Gauge + Guard		
Size	Part Number	Material
½" NPT	OBS-LE-P	PVC
½" NPT	OBS-LE-PP	PP
½" NPT	OBS-LE-PF	PVDF

½" FNPT is standard

Add Suffix -

'M' - Male ½" NPT

'F' - Flanged

'S' - ½" Socket

\*Consult Factory for Flanged Pricing | Alternative Pressure Ratings



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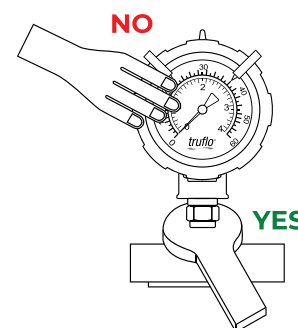
### Technical Specifications

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Mounting	Direct Mount   Bottom Connection
Process Connection	½" MNPT   FNPT   G   Flanged
Power Supply	10-30 VDC
Pressure Ranges	0-145 Psi
Lens	High Impact Polycarbonate
Output	4-20mA + 2 Relays (NPN or PNP)
Accuracy	± 1.0%
Operating Temperature	PVC: 140°F   60°C   PP: 190°F   88°C   PVDF: 240°F   115°C
Dial Diameter	2½"
Standards & Approvals	CE   FCC   RoHS Compliant

### 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.



### 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.

