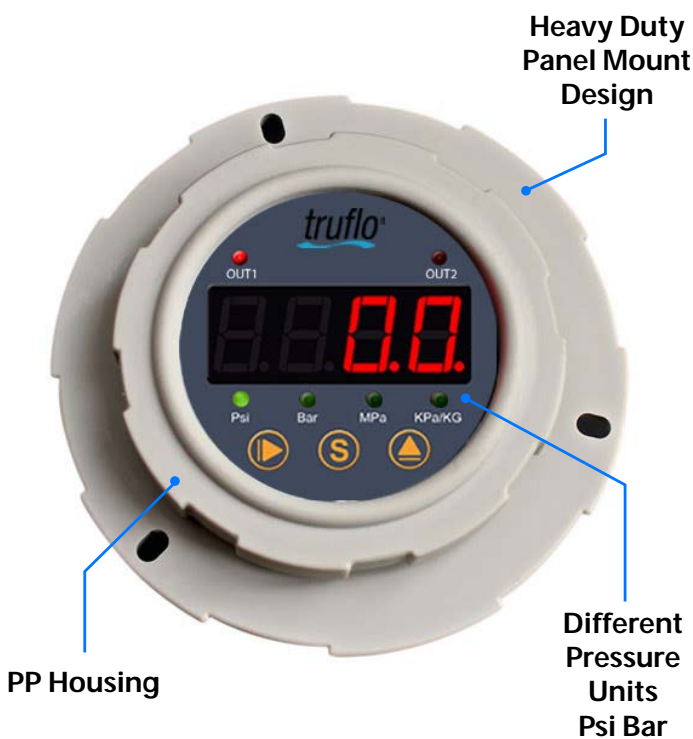# All Plastic Digital Panel Mount Pressure Gauge & Isolator
High Accuracy ±1.5%
Industry's First LED Digital All Plastic Combo Gauge + Isolator 'Plug & Play'

Heavy Duty Panel Mount Design
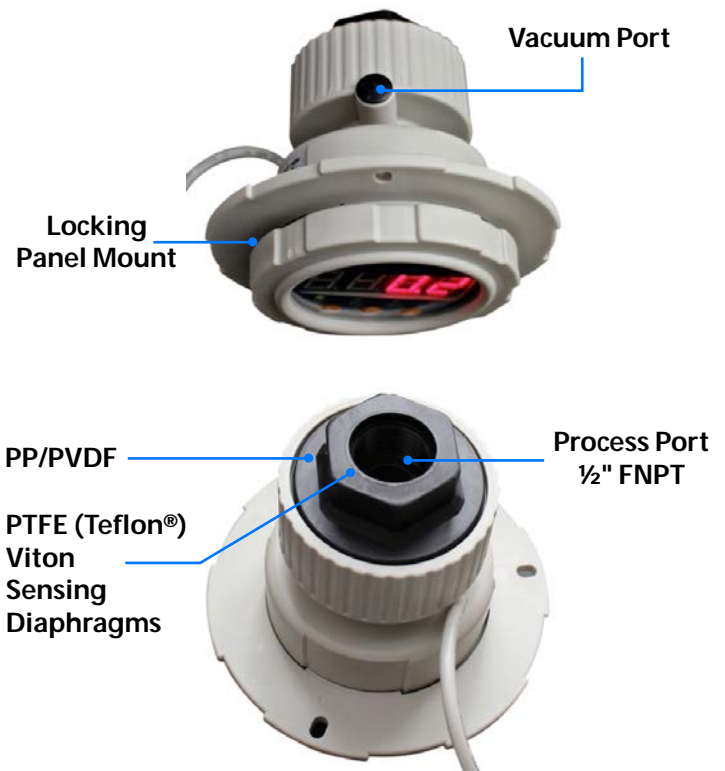
PP Housing

Different Pressure Units Psi Bar

Features

- All Plastic (Gauge + Isolator)
- No Filling Required
- Heavy Duty Design; Simple to Install
- Completely Corrosion Resistant
- Designed to Act as Visual Pressure Alert for Bag/Filter Change-Out
- Extra Large Display
- Reduces Small Pressure Surges caused by Water Hammer or Metering Pump Pulsations
- Highest Accuracy in Industry ±1.5%
- One-Piece Molded Design (No Assembly)
- Suitable for Corrosive Media + Slurries
- No Programing Required
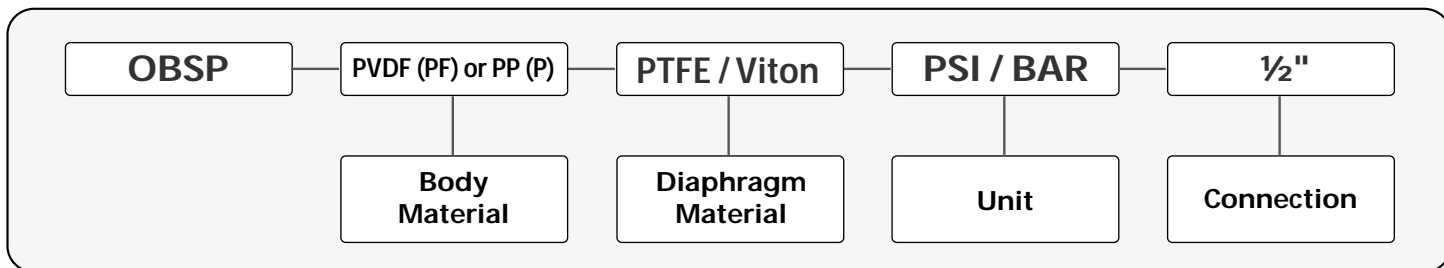- PTFE Diaphragm - Standard PP and PVDF
- No Assembly Required

General Data

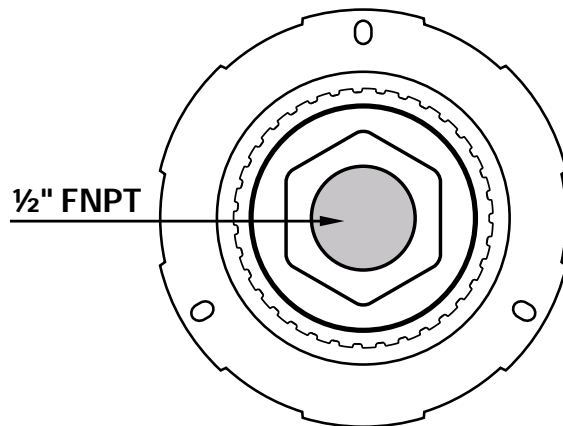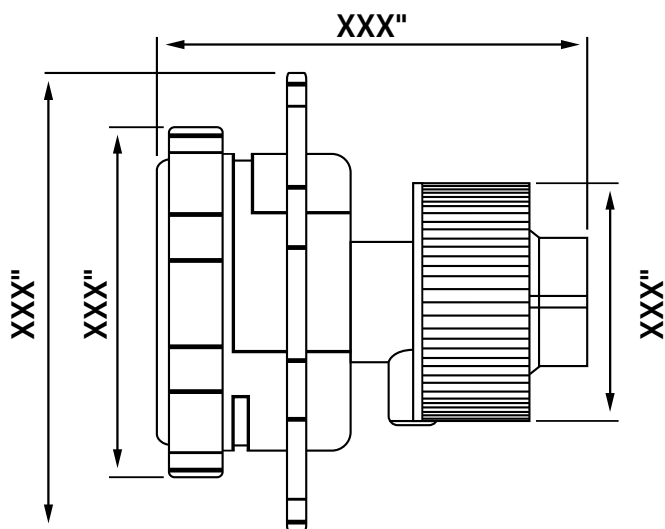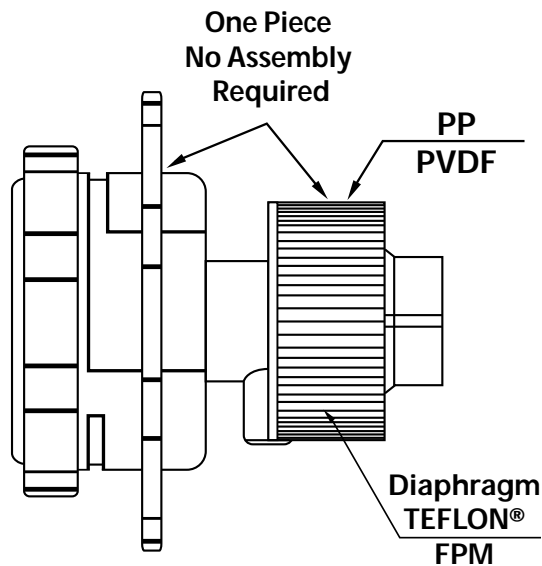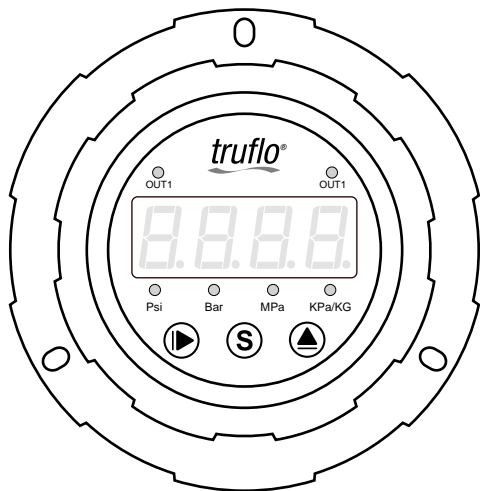| SPECIFICATION	DESCRIPTION
Dial Diameter	Large 2½" (Big Numbers)
Mounting	Direct Mount, Bottom Connection FNPT ½"
Housing	NEMA 4X PVDF or Polypro - PTFE Diaphragm - One Piece Molded Design (No Assembly)
Lens	Polycarbonate
Dial	Dial Psi Bar
Connection	1/2" FNPT
Accuracy	±1.5 %
Operating temperature	Max. Working Temp. PVDF-195 F, PP-170°F
Pressure Range	0-290 PSI (Ambient Temp)

Vacuum Port

Locking Panel Mount

PP/PVDF

Process Port ½" FNPT

PTFE (Teflon®) Viton Sensing Diaphragms

HOW TO ORDER

OBSP	PVDF (PF) or PP (P)	PTFE / Viton	PSI / BAR	½"
	Body Material	**Diaphragm Material**	**Unit**	**Connection**

OBS-P Series

One Piece
No Assembly
Required

PP
PVDF

Diaphragm
TEFLON®
FPM

XXX"

XXX"

XXX"

XXX"

XXX"

½" FNPT

Hysteresis Mode

Hysteresis Mode (NO Type)
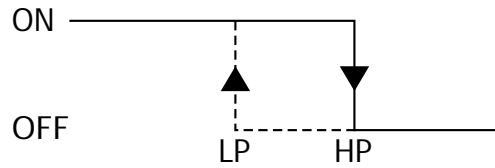
ON

OFF
LP   HP
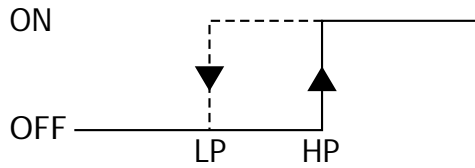
Fig - 1

Hysteresis Mode (NC Type)

ON

OFF
LP   HP

Fig - 2

Wiring Definition

When not using 4-20mA output
to Zero display from -3.5

Blue	**Black**	**Yellow**	**Brown**	**White**
Power Ground (-)	Digital Output1 NPN or PNP 100mA, 30VDC(max.)	Analog Output (+)	Supply Power (+) 10 to 30 Volls DC	Digital Output2 NPN or PNP 100mA, 30VDC (max.)

(–)

4-20mA (+)
Input to Controller
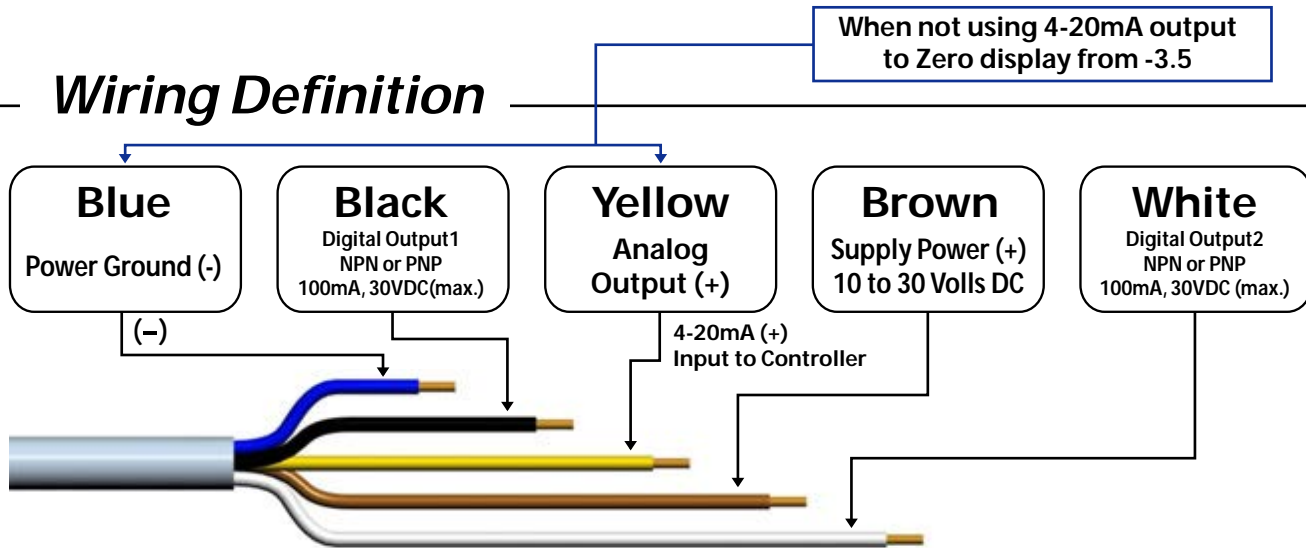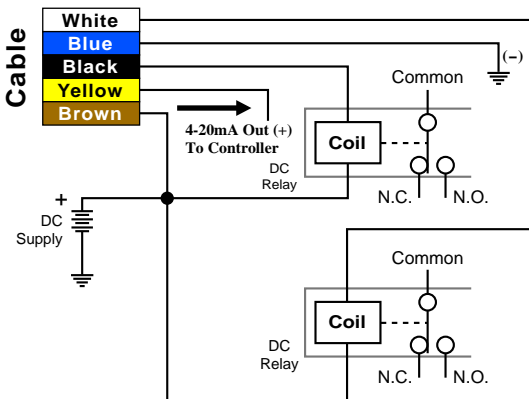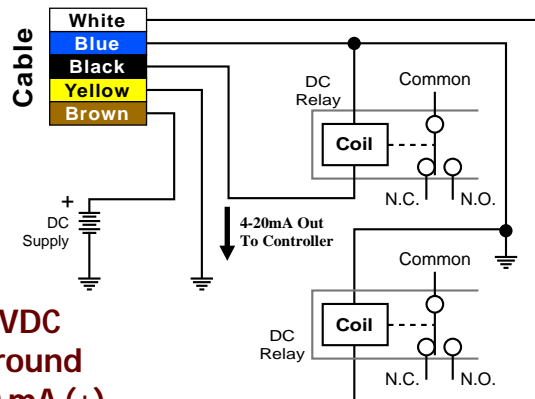
When not using Analog Output (4-20mA) Blue must be connected with Power Ground (Yellow) to Zero Display.

When using 4-20mA output Blue (-VDC) Brown (+VDC) Yellow to mA Input on Controller.

Wiring Diagram

1. NPN Mode

Cable

White
Blue
Black
Yellow
Brown

(–)

4-20mA Out (+)
To Controller

Common

Coil

DC
Relay

N.C.   N.O.

+
DC
Supply

Common

Coil

DC
Relay

N.C.   N.O.

2. PNP Mode

Cable

White
Blue
Black
Yellow
Brown

DC
Relay

Common

Coil

N.C.   N.O.

+
DC
Supply

4-20mA Out
To Controller

Common

Coil

DC
Relay

N.C.   N.O.

**Brown + VDC
Blue (–) Ground
Yellow 4-20 mA (+)**