

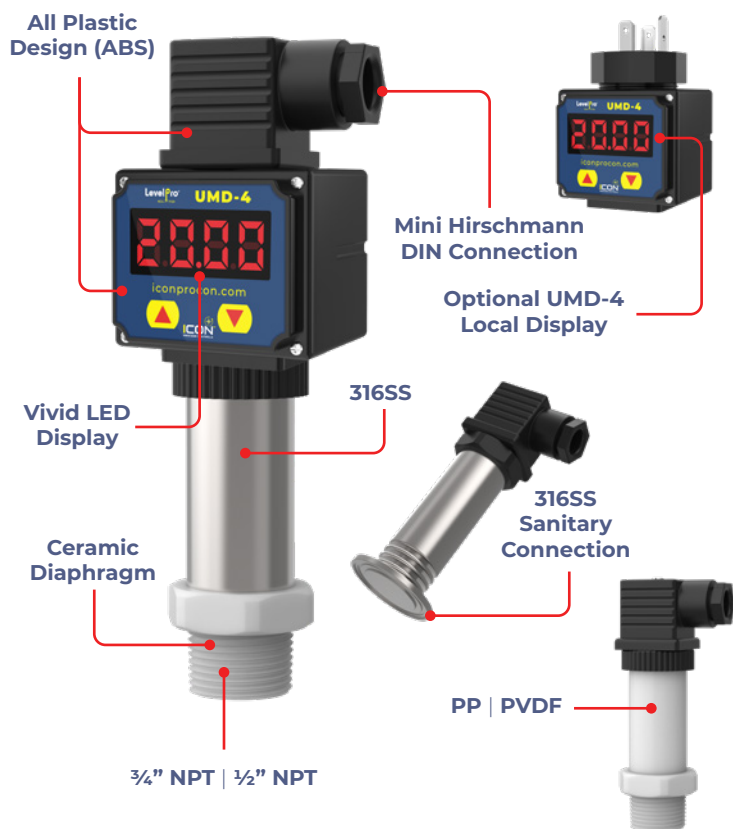
DATA SHEET



Please call:
BURT PROCESS EQUIPMENT
800-577-8111 for SALES and SUPPORT.
[Click here to return to website](#)

Truflo® — LP200 Series

Pressure Transmitter | Switch

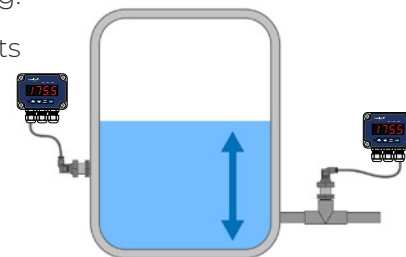


Features

- ✓ PP | PVDF | 316SS Body
- ✓ 0 – 300 Psi Ranges Available (+Vacuum)
- ✓ 4-20mA Output | 2 Wire Loop Powered
- ✓ Ceramic Sensing Diaphragm
- ✓ 0.5% F.S | High Accuracy
- ✓ ¾" NPT | ½" NPT Connection
- ✓ No Programming Required
- ✓ Temperature Compensated
- ✓ Excellent Chemical Resistance

The **LP200 Pressure Transmitter** was designed to measure pressure or level within industry's most demanding corrosive process applications. When measuring pressure, it can be mounted vertically or horizontally, and can easily be installed into a threaded process pipe tee fitting.

The LP200 implements a state of the art ceramic measuring principle that changes the physical pressure (which equates to no more than a few microns), into a linear electronic signal that can be measured. This minimal deformation applies negligible material strain on the ceramic electronic pressure-sensing diaphragm, resulting in high resistance to alternating loads and long-term durability. Perfect for tough industrial applications.



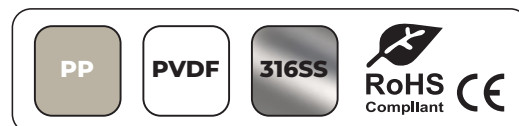
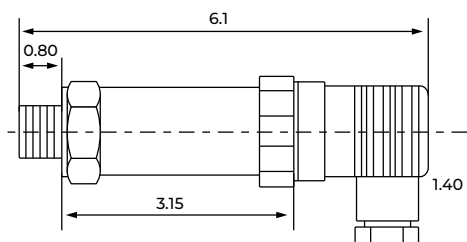
Specifications

Range	0-300psi
Medium	H ₂ O Corrosive Liquid Gases
Accuracy	0.5% F.S
Power Supply	18 - 36VDC
Output Signal	4-20mA 2 Wire 3 Wire
Medium Temperature	-31 – 185°F -35 – 85°C
Environment Temperature	-40 – 176°F -40 – 80°C
Store Temperature	-40 – 176°F -40 – 80°C
Temperature Effect	±0.02% FS
Pressure Connection	¾" NPT ½" NPT
Electrical Connection	Hirschmann DIN

Ceramic Piezo Sensor Pressure Range

Nominal Pressure FSO	Bar	0.5	1	2	5	10
	Psi	7	14	29	73	145
Overload Pressure	Bar	1	2	4	10	15
	Psi	14	29	58	145	217
Burst Pressure	Bar	2	3	6	12	20
	Psi	29	43	87	174	290

Dimensions



Truflo® — LP200 Series Pressure Transmitter | Switch

ICON™ Corrosion-Free
PROCESS CONTROLS Instrumentation Equipment

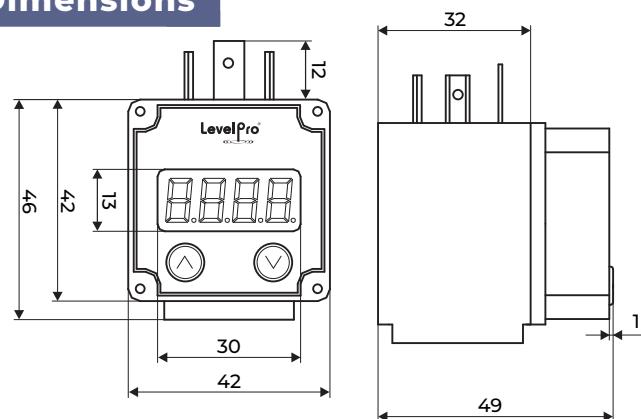
Optional UMD-4 Local Display



Features

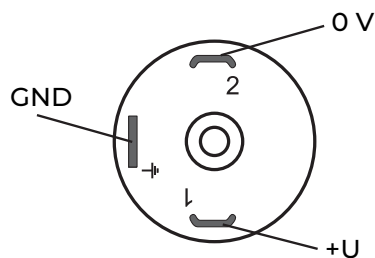
- ✓ Local Display of Measured Value
- ✓ Direct Mounting
- ✓ 4-digit Bright LED
- ✓ Easy 2 Button Programming
- ✓ Relay Output
- ✓ Powered from Current Loop / 4-20mA

Dimensions



Electrical Connection

Positive pole (+ U) is connected to pin No. 1, negative pole (0 V) is connected to pin No. 2. The plug-on display is powered by the current 4-20mA loop, no additional auxiliary power is required.



Two-wire :
1) Supply + (Red)
2) Signal + (Black)

Specifications (UMD-4)

Input Signal	4-20mA
Voltage drop	< 2.5 V
Accuracy	0.1 % ± 1 digit
Display	4 digit LED Height of Digit 7mm
Output Signal	4-20mA 2 Wire 3 Wire
Ambient Temperature	-4 – 158°F -20 – 70°C
Storage Temperature	-40 – 176°F -30 – 85°C
Connection	Connector acc. to DIN 43 650
Housing	Plastic ABS
Protection class	NEMA 4X IP65
Dimension	42 x 46 x 49 mm
Weight	approx. 80g

Model Selection

PRD — 3 Digit Pressure Meter		
Size	Part Number	Material
½" MNPT	PRD-X-PP-M-X	PP
½" MNPT	PRD-X-PF-M-X	PVDF
¼" MNPT	PRD-X-SS-M-X	316SS
½" FNPT	PRD-X-PP-F-X	PP
½" FNPT	PRD-X-PF-F-X	PVDF

X = Pressure Range

N01 ▶ -14.5 - 0.0 Psi

C01 ▶ -14.5 - 14.5 Psi

P06 ▶ 0.0 - 8.7 Psi

001 ▶ 0.0 - 14.5 Psi

010 ▶ 0.0 - 145.0 Psi

030 ▶ 0.0 - 435.0 Psi (SS Only)

2x 3A Relays (std) — Add suffix "-P" for PNP, "-N" for NPN