

LevelPro® – TPP Series Plastic Temperature Probe

ICON™ Corrosion-Free
PROCESS CONTROLS Instrumentation Equipment™



**Sense it Right.
Every time!**



LevelPro® – TPP Series

Plastic Temperature Probe



Features

- ✓ Superior Corrosion Resistance
- ✓ 2-Wire 4-20mA Loop Powered
- ✓ Customizable Length | Ranges
- ✓ ± 0.5% F.S Accuracy
- ✓ Local LED Display Option
- ✓ No Calibration Required

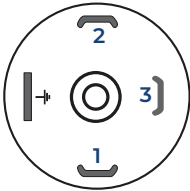
The **TPP Series** Plastic Temperature Probe offers superior corrosion resistance and ±0.5% F.S accuracy, featuring 2-wire 4-20mA loop-powered operation and an optional local LED display. The TPP Series is designed for reliable performance in harsh environmental conditions.

Specifications

Operating Voltage	9-30 VDC
Output	4-20mA Loop Powered
Connection	1/2" NPT
Operating Temperature	-25.6 - 212°F -32 - 100°C
Wetted Part	PTFE Teflon®

Wiring Diagram

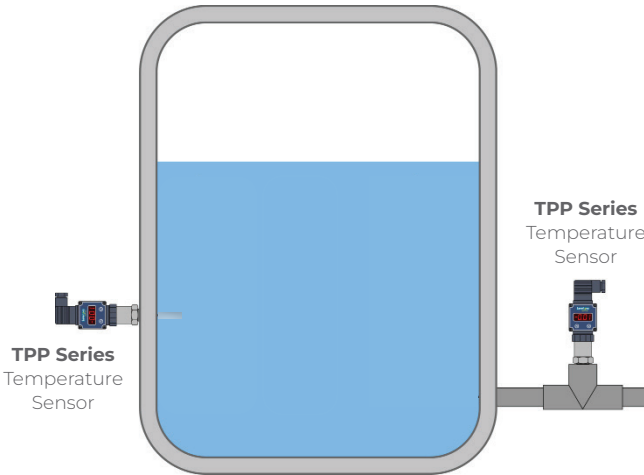
DIN Connection	
Terminal	Description
Terminal 1	+VDC
Terminal 2	4-20mA -VDC



M12 Connection		
Pin	Wire Color	Description
Pin 1	Brown	+VDC
Pin 4	Black	4-20mA -VDC



Application Diagram



PTFE

RoHS
Compliant

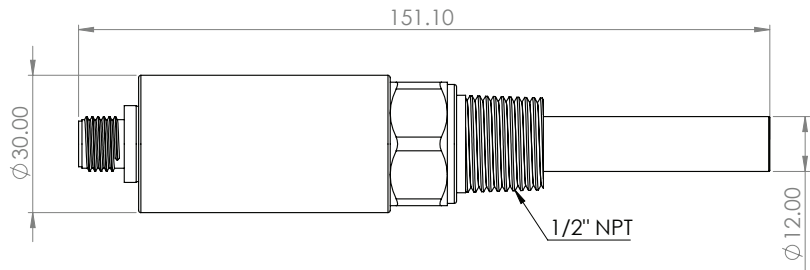
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Polytetrafluoroethylene (PTFE) Thread Pressure Bearing Capacity

Temperature Range °F °C	Pressure Resistance psi	Description
68°F 20°C	≤100	Designed with a safety factor of 4 to 6
212°F 100°C	≤50	Strength decreases significantly; risk of creep increases
302°F 150°C	≤25	Sealing performance must be strictly monitored
392°F 200°C	<20	Not recommended for long-term use

Note: PTFE threads are suitable for low-pressure, corrosive environments and should be used with caution at high temperatures.

Dimensions (TPP-02)



Model Selection

TPP Series		
Part Number	Size	Material
TPP-02	2"	PTFE
TPP-04	4"	PTFE
TPP-06	6"	PTFE
TPP-08	8"	PTFE

Add Suffix -
"-D" - DIN Connection (M12 is std.)
"-L" - LED Display
*Contact Factory for Other Lengths

Precision Sensing
with M12 Simplicity

