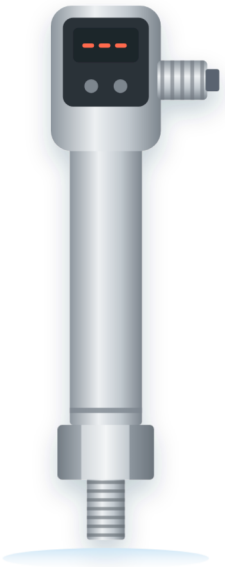
Fluid Sensors
Pressure Sensor PTD Series

Detailed Technical Data
Model: PTD Series

Features

Medium	Water/fluids/air/gases
Use	Pressure & vacuum measurement & transmission
Purpose	Multi-purpose, industrial
Cable/wiring required	2-wire shielded 22 AWG
Connection, electrical	4-pin, M12
Pressure range	-14.5 to 362 psi standard, -14.5 to 5800 psi available
Installation locations	Inline
Storage conditions	-40° to 212°F (-40° to +100°C)



Mechanical

Probe face	Standard passage
Body/diaphragm MOC	316 SS / ceramics FKM
Sensor design type(s)	Steel piston or flush diaphragm
Connection, piping	¼" MNPT
Accuracy class	± 0.4% span
Size	1"D X Variable
Operating temperature range	-13° to 176°F (-25°+80°C)
Pressure maximum	362 to 5800 psi based on model/range selected
Shipping weight	1.5 lb
Approvals	UL, CE, RoHS
Medium connection available	Standard (passage to diaphragm) or flush diaphragm
Controls	Pushbuttons

Electronics

Display	4-digit LED red/green, 10mm character
Power consumption	<35mA
Supply voltage	18-30 VDC
Housing rating	IP65 / IP67
Output signals	4-20mA, 2 wire / selectable switch N.O./N.C (NPN/PNP)

The PTD Series of digital pressure sensors is ideal for industrial pressure measurement and indication in both gas and liquid applications. Measuring ranges are available from vacuum up to 5800 psig as well as other selectable engineering units such as bar, mbar, kPa, MPa, inches of water column, and inches of mercury. The standard 1/4" NPT male process connection allows for direct installation without requiring extra fittings. With no moving parts such as pistons or springs that can stick or break, the two solid state switch outputs provide a reliable alternative to mechanical pressure switches.
Models are also available that allow the second output to be configured as a scalable analog signal turning the unit into a combination pressure switch and transmitter. The built-in two-color digital display is easy to read from a distance and provides indication of measured pressure and switch setpoints. It can be set to change color between red and green based on measured value or output status and rotated 180° for installation flexibility. Two large bright LEDs indicate output status. For optimum visibility the sensor housing can be rotated 345° after installation. Simple pushbutton setup allows the PTD to be easily and quickly configured prior to installation without the need for a separate pressure reference gauge.

Encased in a stainless steel housing the PTD allows for a high IP67 ingress protection rating achieving its atmospheric pressure reference via the 4-pin M12 electrical connection. A protective cover and mounting bracket are available accessories. The compact and robust design and construction of the PTD series withstands extreme shock and vibration, provides high accuracy and reliability, and incorporates the best combination of over pressure, burst pressure and long-term stability for each measuring range.

6007 S. Railroad Street
Burlington, WI 53105 USA 262.716.0105
sales@intell-i-watch.com.
© 1991–2026 Pan America Environmental, Inc. · Intell-i-Watch, A Pan America Environmental Brand