Fluid Sensors
Pressure Sensor PT Series

Detailed Technical Data
Model: PT Series

Features

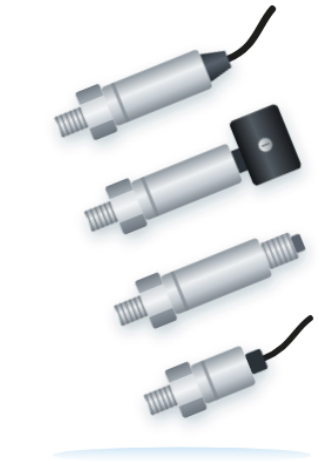
Medium	Water/fluids/air/gases
Use	Pressure & vacuum measurement & transmission
Purpose	Multi-purpose, industrial
Cable/wiring required	2-wire shielded 22 AWG
Connection, electrical	4-pin, M12
Pressure range	0-300 psi standard, 0-5000 psi available
Installation locations	Inline
Storage conditions	-58° to 257°F (-50° to +125°C)

Mechanical

Probe face	Flush or standard passage
Body/diaphragm MOC	304 SS or 316 SS / 17-4PH SS
Sensor design type(s)	Steel piston or flush diaphragm
Connection, piping	¼" MNPT
Accuracy class	± 1.0% span
Size	1"D X Variable
Operating temperature range	-40° to 257°F (-40°+125°C)
Pressure maximum	300 to 5000 psi
Shipping weight	1.5 lb
Approvals	CE, UR
Medium connection available	Standard (passage to diaphragm) or flush diaphragm

Electronics

Supply voltage	9-32 VDC
Housing rating	IP67
Output signal	4-20mA, 2 wire





A wide variety of compatible liquid and gas pressure sensing applications are possible due to the robust all stainless steel welded sensing element and wetted materials. The PT series transmitters feature full scale pressure ranges from 15 to 5000 psig as well as a compound range from vacuum to 30 psig. The field proven internal polysilicon thin film pressure sensor performs with a 1% Total Error Band over 32 to 185°F (0 to 85°C). The transmitters include a 1/4" NPT male threaded process connection and industry standard, 2-wire, 4-20mA analog output with M12 quick disconnect that simplifies interface to controls, data collection, and telemetry systems.

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