

MPT241A Flush diaphragm strain gauge pressure transmitter

MPT241 Pressure transmitter

Model: MPT241A

Category: Pressure transmitter

Range: 0-2000bar

Temperature: -40~+125°C

Signal output: mv/v, 0-5vdc,4-20mA

Application: Pressure measurement and control of viscous media: paint, slurry, asphalt, crude oil

Keywords: Pressure sensor



MPT241A (5)

Technical specifications

	0 ~0.6~200 MPA
Pressure type	Gauge, absolute
Analog signal output	Mv/v, 0-5V;0-10V;0.5-4.5V;4~20mA

Digital signal output	RS232, RS485, HART, wireless
Control signal output	PNP, NPN, RELAY
Local indication	LCD, LED,
(mA/v)	Pressure transmitter: 0~5V; 0~10V; 4~20Ma. Pressure sensor: 1mV/V; 2mV/V, 2.5mV/V, 3.3mV/V, 10mv/v
Operating voltage (V)	24VDC (9~36V)- For 4-20mA and 0-10V; 5VDC-For 0.5-4.5V; 12VDC-For 0-5V; 0-10V
Accuracy (%FS)	0.1, 0.2, 0.3
Repeatability (nonlinearity)(%FS)	≤ 0.1 ≤ 0.2 ≤ 0.3
Zero drift (%FS/4h)	≤ 0.05 ≤ 0.1 ≤ 0.2
Temperature drift(zero delicacy)(%FS/°C) &	≤ 0.005 ≤ 0.01 ≤ 0.02
Long term stability (%FS/year)	≤ 0.1 ; ≤ 0.3
Temperature compensation (°C)	-20~+60
Operating temperature (°C)	-20~+85, -20~ +150
Storage temperature	-40~+125
Safe overload (%)	300
Service life	$> 1 \times 10^8$ (25°C)
Load resistance (Ω)	$R = (U - 12.5) / 0.02 - R_D$ $U =$, $R_D =$
Response time (ms)	≤ 1
Medium	Viscous media compatible with 316L
Material	316L
Thread	M20×1.5 or Custom
Explosion-proof	ExibIICT6
Dimensions	$\Phi 27 \times 124 \text{MM}$

Pressure sensor measurement solution

• MPT200



- Application: gas liquid pressure, water knife cutting pressure, high temperature pressure, anti-corrosion pressure, plane membrane pressure measurement



