

MPT243 Flange flush diaphragm digital pressure sensor

Model: MPT243

Category: Pressure sensor

Range: 0-70bar

Temperature: -40~0~150~250c

Signal output: mv/v, 0-5vdc, 4-20Ma, RS485, HART

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

Keywords: Pressure sensor, Pressure sensor



MPT243 (2)

Technical specifications	
	0~0.6~200MPA
Pressure type	Gauge, absolute
(mA/v)	Pressure transducer: 0~5V; 0~10V; 4~20Ma. Pressure Transducer: 1mV/V; 2mV/V, 2.5mV/V , 3.3mV/V

Full load output(mV)	30~60~120
Zero output (mV)	≤20
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)	& ≤0.01 ≤0.02 ≤0.03
Long term stability (%FS/year)	≤0.1;≤0.3
Operating voltage (V)	pressure transducer:24VDC (9~36)VDC; Pressure Transducer: 10VDC(6~12V)
Temperature compensation (°C)	-20~+60
Operating temperature (°C)	-20~+250
Storage temperature	-40~+125
Safe overload (%)	200
Service life	> 1×10 ⁸ (25°C)
Load resistance (Ω)	$R=(U-12.5)/0.02-RD$ U=,RD=
Response time (ms)	≤1
Medium	Compatible with 316L. Causticity and nor-causticity medium.
Material	1Cr18Ni9Ti and aluminum alloy
Thread	Flange connector
Explosion-proof	ExibIICT6

Pressure sensor measurement solution

• MPT200



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



Product Solution