

MPT242A Clamp flush diaphragm pressure sensor

Model: MPT242A

Category: Pressure transmitter

Range: 0-70bar

Temperature: -40~0~150~250°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, Pressure sensor



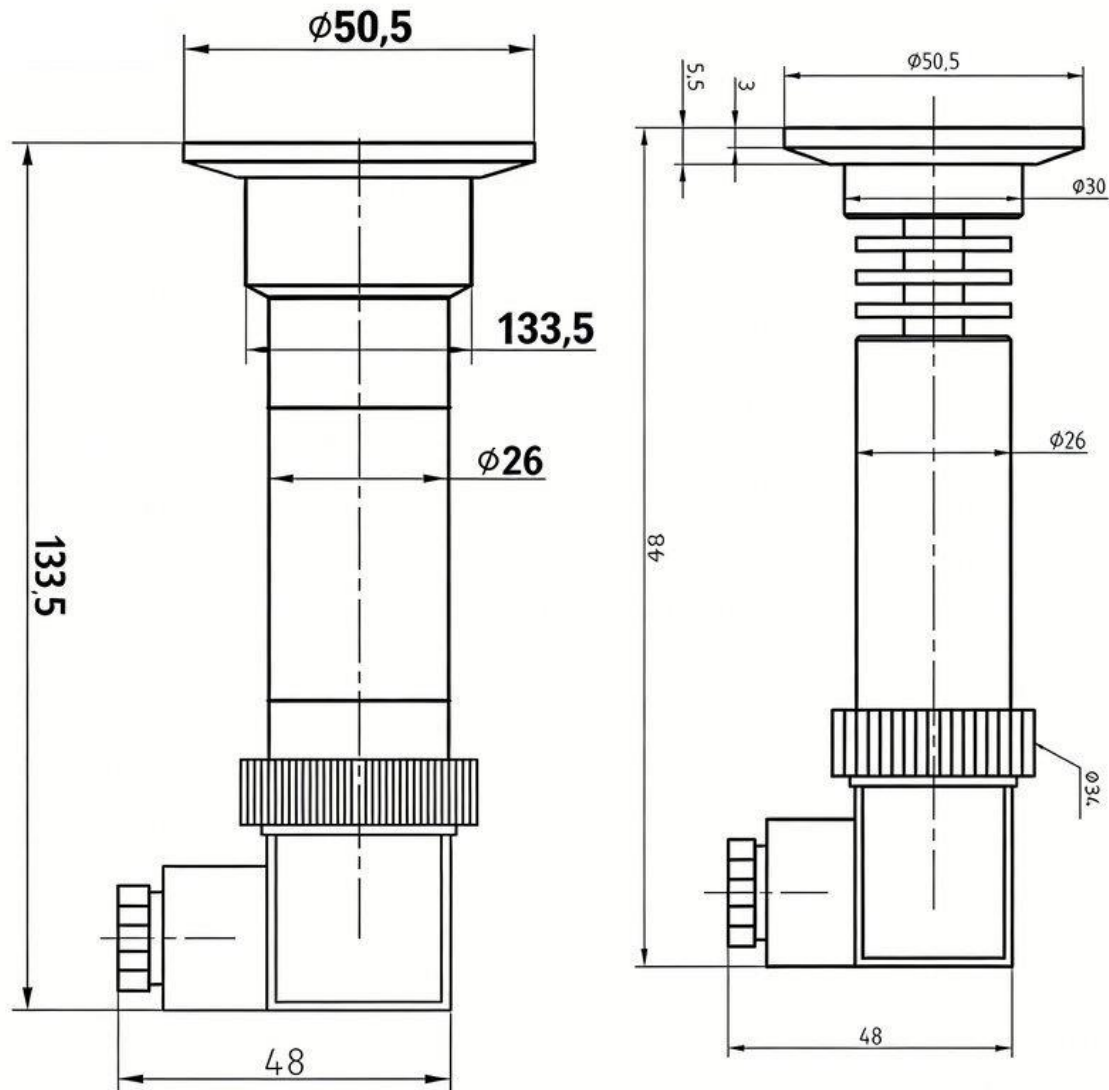
MPT242A (2)

Technical specifications

	0~0.6~7 MPA
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
Zero output (mV)	≤20
Accuracy	0.1, 0.2, 0.3
Repeatability (nonlinearity)(%FS)	≤0.1, ≤0.2, ≤0.3
Zero drift (%FS/4h)	≤0.1, ≤0.2, ≤0.3
Temperature drift(zero & delicacy)(%FS/°C)	≤0.01, ≤0.02, ≤0.03
Long term stability (%FS/year)	≤0.1, ≤0.2, ≤0.3
Operating voltage (V)	pressure transducer:24VDC (9~36)VDC; Pressure Transducer: 10VDC(6~12V)
Temperature compensation (°C)	-20~+80
Operating temperature (°C)	-40~+150~250c
Safe overload (%)	300
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 Al ₂ O ₃ , causticity medium
Material	1Cr18Ni9Ti
Film	ceramics
Thread	sanitation style
Explosion-proof	ExibIICT6
Waterproof rating	IP67
Dimensions	



Product Dimensions

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