

MPT291 Wireless remote pressure sensor

MPT291 Pressure sensor

Model: MPT291

Category: Pressure sensor

Range: 0-2000bar

Temperature: -40~+125

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

Application: Industrial process measurement and control; Automation detection systems; Hydraulic and pneumatic control systems; Pump stations and water treatment systems; Industrial machinery manufacturing; Water, oil, air and hydraulic pressure measurement

Keywords: Pressure sensor, Pressure sensor



MPT291

Technical specifications

	0~10Kpa.....100Mpa
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)	$\leq 0.1 \leq 0.2 \leq 0.3$
Zero drift (%FS/4h)	$\leq 0.05 \leq 0.1 \leq 0.2$
Temperature drift(zero & delicacy)(%FS/°C)	$\leq 0.005 \leq 0.01 \leq 0.02$
Long term stability (%FS/year)	$\leq 0.1; \leq 0.3$
Temperature compensation (°C)	-20~+60
Operating temperature (°C)	-20~+85
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	Compatible with 316L
Material	316L
Thread	M: M20×1.5, NPT: 1/8NPT, 1/2NPT, G: G1/2 or Custom
Explosion-proof	NA
Digital display	4 bit LED
Dimensions	REFER TO SPECIFICATION

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

