

MPT721 General differential pressure sensor

MPT721 Differential pressure sensor

Model: MPT721

Category: Differential pressure sensor

Range: 0~2,100.....2000KPA

Temperature:,-20~+85

Signal output: mv/v, 0-5vdc,4-20mA,Hart,RS485

Application: Gas and liquid differential pressure measurement; HVAC, pollution control, clean engineering, medical equipment, oven boost, furnace draft, gas pipeline monitoring, ventilation and power plant wind pressure monitoring

Keywords: Differential pressure sensor, Differential pressure sensor



reference picture

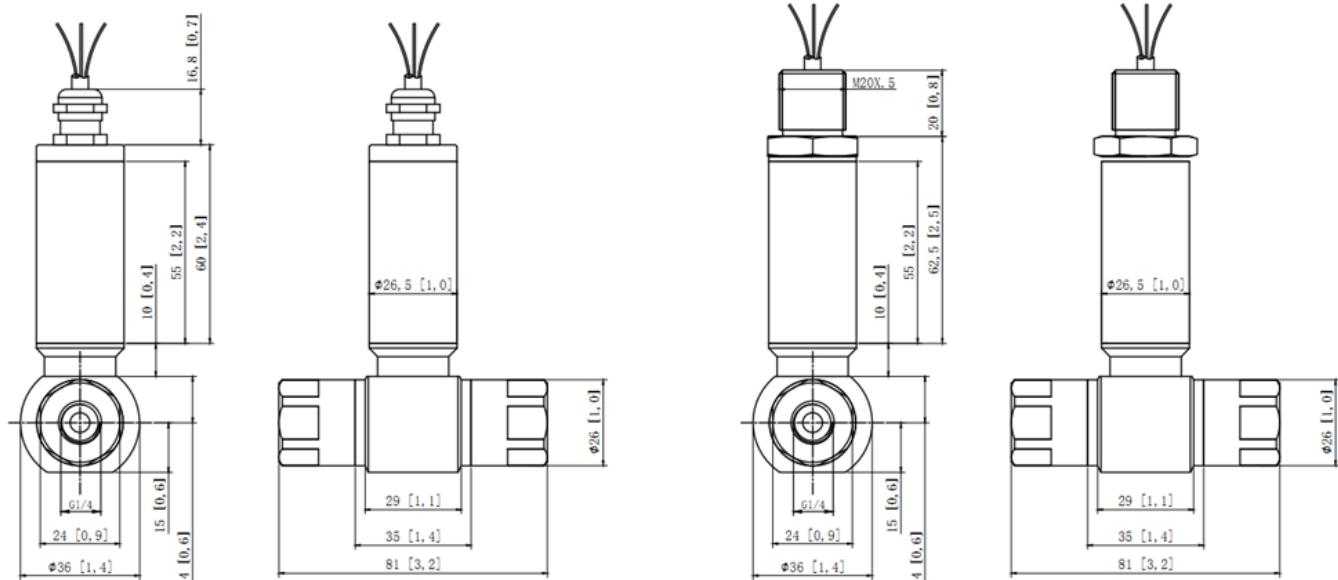
Technical specifications

	0~2,100.....2000KPA; 0~2,20.....2MPA
Pressure type	
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,
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



Differential pressure sensor

Zero drift (%FS/4h)	$\leq 0.01 \leq 0.02 \leq 0.03$
Temperature drift(zero & delicacy)(%FS/° C)	$\leq 0.01 \leq 0.02 \leq 0.03$
Long term stability (%FS/year)	$\leq 0.1; \leq 0.2$
Operating voltage (V)	24v (9~36v)
Temperature compensation (° C)	0~+70
Ambient temperature (° C)	-20~+85
Safe overload (%)	200
Static pressure (type) BAR	10~12
Load resistance (Ω)	$R=(U-12.5)/0.02-RD$; U=, RD=
Response time (ms)	≤ 1
Medium	Media compatible with 316L,causticity gas,liquid
Material	1Cr18Ni9Ti
Thread	Ø7.5,M12×1 or Custom
Explosion-proof	Optional
Waterproof rating	IP65
Diaphragm	Stainless steel, titanium alloy



Differential pressure sensor measurement scheme

- MPT700



- Application: Container differential pressure, gas differential pressure, differential pressure flow measurement

