

MPT711 Micro differential pressure sensor

MPT711 Differential pressure sensor

Model: MPT711

Category: Differential pressure sensor

Range: 0-1000kpa

Temperature: -20~+85

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

Application: Gas and liquid micro 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,

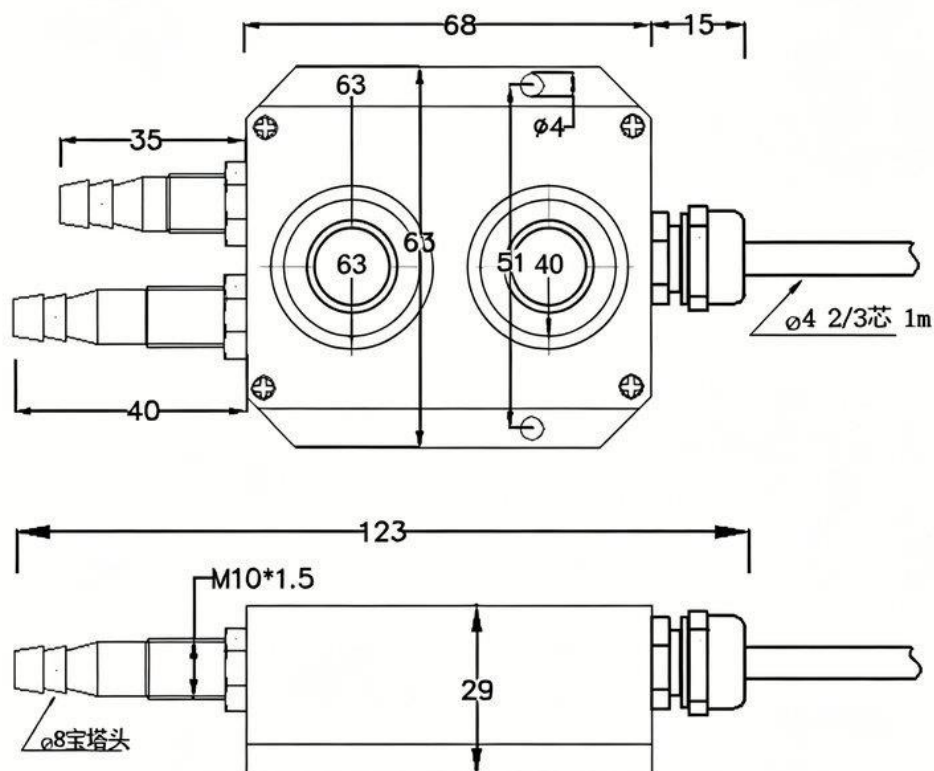
reference picture



Technical specifications	
	0~2.....1000KPa
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, 0.3, 0.5
Repeatability (nonlinearity)(%FS)	≤0.1, ≤0.3, ≤0.5
Zero drift (%FS/4h)	≤0.1, ≤0.3, ≤0.5



Temperature drift(zero & delicacy)(%FS/°C)	≤0.01, ≤0.03, ≤0.05
Long term stability (%FS/year)	≤0.2
Operating voltage(V)	3
Temperature compensation(°C)	0~+60
Operating temperature(°C)	-20~+80
Input/output resistance:(Ω)	500/1500
Temperature compensation(°C)	0~+60
Operating temperature(°C)	-20~+80
Operating voltage(V)	3
Safe overload (%)	300
Static pressure (MPa)	3.5
Response time (ms)	≤1
Medium	Nor-causticity gas
Diaphragm	FiSi gelatin
Material	1Cr18Ni9Ti
Thread	Φ7.5;M10×1 or Custom
Explosion-proof	Optional
Waterproof rating	IP65
Dimensions	



Product Dimensions

Differential pressure sensor measurement scheme

• MPT700



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



Product Solution