

MPT751 Smart digital differential pressure transmitter

MPT751 Sensor transmitter

Model: MPT751

Category: Differential pressure sensor

Range: Range: 0~2,100.....7000KPA

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



MPT751 (1)

Technical specifications

	0~2 7MPA
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)	$\leq 0.1 \leq 0.2 \leq 0.3$
Zero drift (%FS/4h)	$\leq 0.01 \leq 0.02 \leq 0.03$
Temperature drift	$\leq 0.01 \leq 0.02 \leq 0.03$
Long term stability (%FS/year)	$\leq 0.1; \leq 0.2$
Operating voltage (V)	24v (9~36v)
Temperature compensation (°C)	0~+60
Ambient temperature (°C)	-20~+85
Safe overload (%)	200
Static pressure	10~12
Load resistance (Ω)	U=, RD=
Response time (ms)	≤ 1
Medium	Media compatible with 316L, causticity gas, liquid
Material	1Cr18Ni9Ti
Thread	$\varnothing 7.5, M12 \times 1$ or Custom
Explosion-proof	Optional
Waterproof rating	IP65
Diaphragm	Stainless steel, titanium alloy
Dimensions	

Differential pressure sensor measurement scheme

• MPT700



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



Product Solution