

PRODUCT OVERVIEW

PRESSURE MEASUREMENT

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P801 Standard Industrial Micro-gas Differential Pressure Transmitter



Characteristics

- ☆ Min 0-250pa gas pressure range
- ☆ Advanced digital temperature compensation
- ☆ UL94V-0 flame retardant grade
- ☆ Anti-humidity and water proof
- ☆ IP65 enclosure
- ☆ Compact size and light weight
- ☆ CE approved

Applications

- ★ Process control
- ★ Environmental contamination control
- ★ Pipe pressure monitoring
- ★ Medical equipment and devices
- ★ Oven pressure boost and ventilation control
- ★ Purification project
- ★ Underground ventilatio

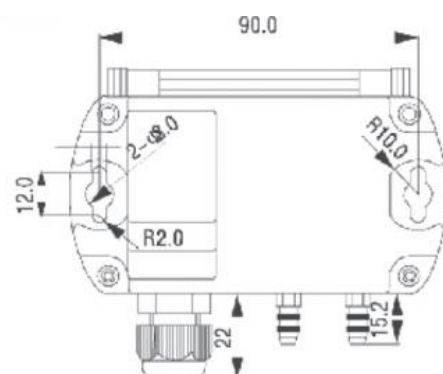
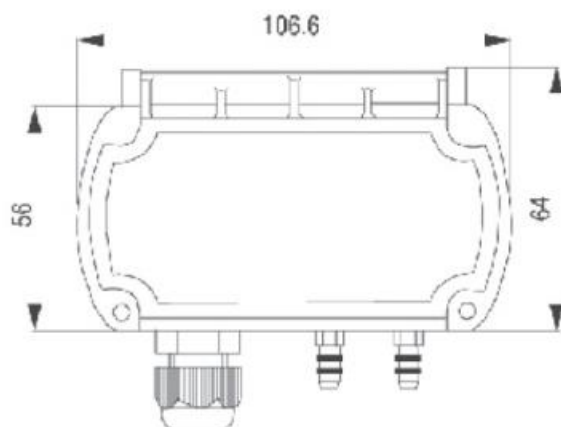
Profiles

P801 micro-gas pressure transmitter is expertly crafted for precision monitoring of air and gas differential pressure or gauge pressure in commercial and OEM applications, ensuring 0.25% accuracy. Our low-range model offers a reliable solution for low-pressure sensing (0-250pa to 0-25kPa) using SETRA variable capacitance sensing technology. With argon arc welded components and advanced circuit linearity, this transmitter boasts superior performance. Its compact, stable, and lightweight design, coupled with easy installation using Ø3mm screws, makes it ideal for measuring pressure or differential pressure in dry, non-corrosive gases. Widely utilized in electrical power, environmental protection, dust removal, textile, leak detection, and more.

Specifications

Model	P801				
Parameter					
Accuracy	1.0%F.S; 0.5%F.S; 0.25%F.S optional				
Pressure Range	0-100Pa,0-250Pa,0-1250Pa,0-7500Pa				
Safe overload	200% F.S				
Burst Pressure	400% F.S				
Long-term Stability	≤0.2%F.S/Year				
Working Temp.	-18°C to +65°C				
Temp. compensation	+5°C to +65°C				
Zero Point Temp Drift	<0.06%F.S/°C				
Full Scale Temp Drift	<0.06%F.S/°C				
Medium compatible	Air or non-conductive gas				
Electrical Wire	2 Wires	3 Wires			4 wires
Output	4-20 mA	0-5V	0-10 V	0.5-4.5 V	RS485
Power Supply	10-30VDC				
Electrical connection	PG-9 or PG-13.5 cable locking device or 1/2" wire opening				
Pressure connection	3/16" gas mouth with 1/4" hose				
Housing material	Aluminum				
IP Rating	IP65				

Dimension and Drawing



Part Number Code Table For Pressure Range

	000	0~250Pa		009	0~600Pa		018	0~1800Pa		
	001	0~260Pa		010	0~700Pa		019	0~1900Pa		
	002	0~270Pa		011	0~800Pa		020	0~2000Pa		
	003	0~280Pa		012	0~900Pa		021	0~2100Pa		
	004	0~300Pa		013	0~1000Pa		022	0~2200Pa		
	005	0~350Pa		014	0~1200Pa		023	0~2300Pa		
	006	0~400Pa		015	0~1400Pa		024	0~2400Pa		
	007	0~450Pa		016	0~1600Pa		025	0~2500Pa		
	008	0~500Pa		017	0~1700Pa		X	Customized		

Order Information

Selection \ PN	P801 (Model)	010	E5	S17	K	1	1	32	P1
Range	Refer to <i>PART NUMBER CODE TABLE FOR RESSURE RANGE</i> on previous page and select your requested range code here.								
Output	E7=0-10V (3 wire) E5=4-20mA(2 wire) E6=0-5V(3 wire) E8=0.5-4.5V(3 wire) E11=RS485 Modbus RTU X=By customized								
Power Supply	S17=10-30 V DC X=By customized								
Pressure unit	A=Pa	K=kPa	B=bar						
Accuracy	0=1.0%F.S	1=0.5%F.S	2=0.25%F.S (by customized)						
Cable Length	0=Cable 0m	1=Cable 1m	2=Cable 2m	X=Cable x m					
Pressure Connection	32=3/16" gas mouth with 1/4" hose X= By Customized								
Max Static Pressure	P1=Standard by DP range								