



PRODUCT OVERVIEW

PRESSURE MEASUREMENT

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P802D Standard Industrial LCD/LED Air Differential Pressure Transmitter



Characteristics

- ☆ Accuracy: $\leq \pm 0.5\% \text{F.S.}$
- ☆ Digital temperature compensation
- ☆ Imported chip assembled
- ☆ Strong anti-humidity and water-resistance
- ☆ Advanced circuit linearity
- ☆ Compact and easy to install
- ☆ IP65 enclosure
- ☆ Pressure sensitive

Applications

- ★ Industrial dust removal equipment
- ★ Purification plant
- ★ Blow down expander
- ★ Leak detection device
- ★ HAVC Air differential pressure
- ★ Wind pipe pressure measurement
- ★ Wind machine
- ★ Building control

Profiles

P802D is a differential pressure transmitter with a big HD LCD/LED display, designed for monitoring pressure or differential pressure in industrial and OEM applications, including electrical power, environmental protection, dust removal, textile, leakage detection and etc..

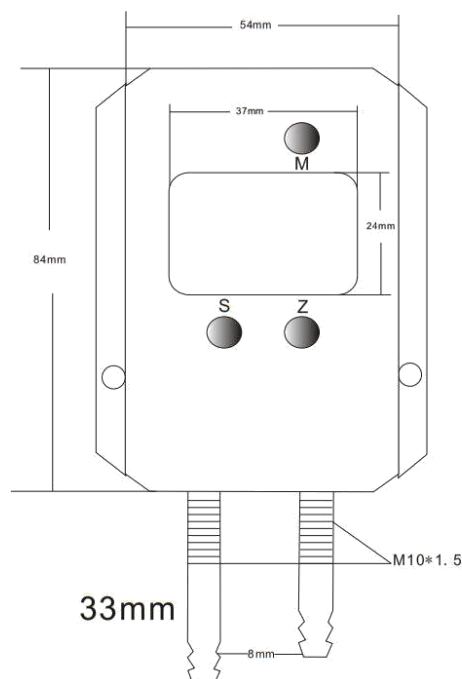
It adopts imported chip and is made by advanced technology and processes. The circuit linearity and temperature compensation technologies make it better performance. It is compact with stable structure and light weight. This product is suitable for measurement of various dry and non-corrosive gases with high measurement accuracy.

Besides, its installation is very simple. There are M4 screw mounting holes on both sides of the housing, and the air nozzle is also threaded. The user can choose to fix it with screws or M10×1.5 nuts.

Specifications

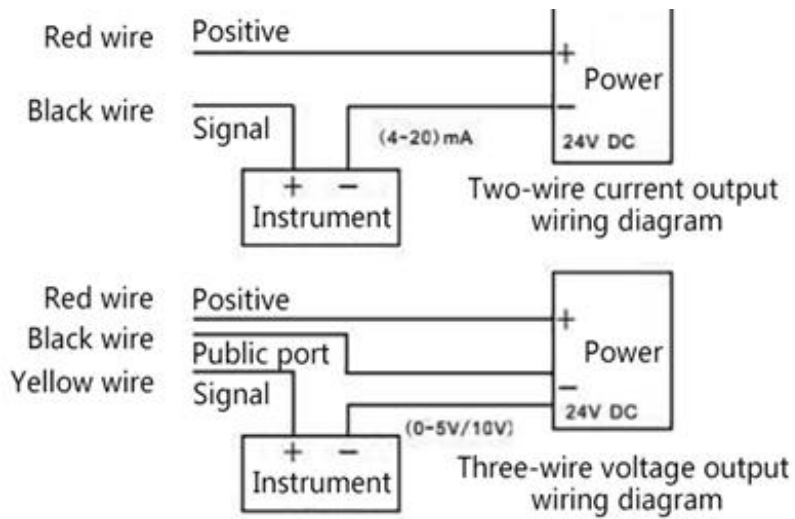
Model Parameter	P802D				
Accuracy	≤±0.25%F.S (by customized); ≤±0.5%F.S (Typical)				
Pressure Range	0-200kpa max or ±100kpa				
Working Temp.	-10°C to +80°C at 25°C				
Temp. compensation	-10°C to +80°C				
Medium compatible	Dry and non-corrosive gases				
Electrical Wire	2 Wires	3 Wires			4 wires
Output	4-20 mA	0-5 V	0-10 V	0.5-4.5V	RS485 MODBUS
Power Supply	8-30 V with potentiometer; 24-30 V without potentiometer			5 V DC	8-30 V with potentiometer; 24-30 V without potentiometer
Electrical connection	Fixed cable outlet				
Pressure connection	Φ8 gas port, Φ6 gas port , quick connector optional				
Housing material	Aluminum				
Pressure Type	Differential Pressure				
IP Rating	IP65				

Dimension and Drawing

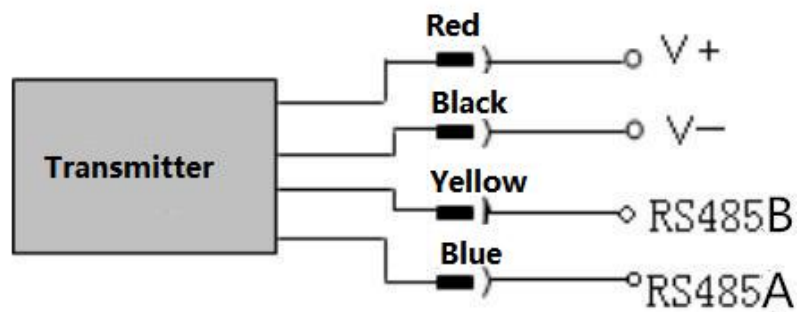


Electrical Connections

Wiring for current and voltage output



Wiring for RS485 output



Part Number Code Table For Pressure Range

000	0~1KPa	009	0~10KPa	018	0~100KPa		
001	0~2KPa	010	0~20KPa	019	0~150KPa		
002	0~3KPa	011	0~30KPa	020	0~200KPa		
003	0~4KPa	012	0~40KPa				
004	0~5KPa	013	0~50KPa				
005	0~6KPa	014	0~60KPa				
006	0~7KPa	015	0~70KPa				
007	0~8KPa	016	0~80KPa				
008	0~9KPa	017	0~90KPa	X	Customized		

Order Information

Selection	PN 802D (Model)	010	C	E5	S40	K	1	1	39	P1
Range	Refer to <i>PART NUMBER CODE TABLE FOR RESSURE RANGE</i> on previous page and select your requested range code here.									
Display	C=LCD E=LED									
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	S12=8-30 V DC S40=24-30 V DC S6=5 V DC X= By customized									
Pressure unit	A=Pa K=kPa B=bar									
Accuracy	1=0.5%F.S 2=0.25%(by customized)									
Cable Length	0=Cable 0m 1=Cable 1m 2=Cable 2m X=Cable x m									
Pressure Connection	39= Ø6 gas mouth 40= Ø8 gas mouth 41= Quick connector X= By customized									
Max Static Pressure	P1=Standard by DP range									