

AUTHORIZED DISTRIBUTOR

844287

bar

MDM390 Differential Pressure Transmitter

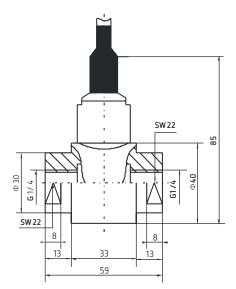
MDM390 differential pressure transducer is produced by putting OEM differential pressure sensor into full-welded housing with G1/4 female for both positive and negative cavities. The transducer could be mounted into measuring tube through G1/4 female pressure port or leading tube. It is cable connection.

The transducer could be widely used in industrial process control, flow measure, medical device, air dynamical measure and liquid pressure instrument or pneumatic plant, etc.

FEATURES

- OEM differential pressure sensor
- Full solid insulation, high stability, reliability and accuracy
- Constant current supply
- Max. static pressure 20MPa
- G1/4 female pressure port
- Liquid, gas and other media differential pressure measurement
- Compact size

OUTLINE CONSTRUCTION (Unit: mm)





Pressure range	0~35kPa3.5MPa		
Zero output	≤2mVDC		
Output signal	≥60mVDC		
+overpressure	2 times FS		
-overpressure	1 time FS or 1MPa(min. value is valid)		
Static pressure	≤20MPa		
Static pressure effect	≤0.05mV/100kPa		
Accuracy ¹	±0.25%FS(typ.)	±0.5%FS(max.)	
Zero drift	<±0.02mV/°C		
FS drift	<±0.02%FS/ °C		
Relative humility	±0.3%FS/year(typ.)	±0.5%FS/year(max	
Compensation temp.	0°C ~50°C		
Operation temp.	-10°C ~70°C		
Storage temp.	-20℃~85℃		
Response time	+ pressure cavity<3kHz - pressure cavity<2kHz		
Diaphragm	Stainless steel 316L		
Housing	Stainless steel 1Cr18Ni9Ti		
0-ring	Viton		
Cable	Ф7.2mm PVC cable		
Insulation resistor	100MΩ , 100VDC		
Protection	IP65		

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ELECTRICAL CONNECTION

Wire color	Connection
Black+	IN
Yellow	-IN
Whilte-	IN
Red	+OUT
Blue	-OUT

ORDER GUIDE

MD	M390	Piezoresistive Differential Pressure Transmitter		
		Range code	Pressure range	
		0A	0~35kPa	
		02	0~70kPa	
		03	0~100kPa	
		07	0~200kPa	
		08	0~350kPa	
		09	0~700kPa	
		10	0~1000kPa	
		12	0~2MPa	
		13	0~3.5MPa	
MDM	1390	07	the whole spec	

NOTES

- We suggest to install a tri-valve between measured point and transmitter, so that the measured media could be put on positive and negative cavities slowly and equably. This would help transducer work safely and reliably;
- 2. We suggest to install differential pressure transducer horizontally;
- Please pay attention that if transducer's range and max.static pressure could be suitable fomeasured pressure;
- 4. Cable length: we provide standard 1.5m cable free of charge, the extra cable should be paid additionally;
- 5. Please be careful that the pressure of positive cavity should be bigger than negative cavity.

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