



bar **MPM380**

FEATURES

- Full stainless steel construction
- Thread connection optional
- Constant current supply
- Laser trimming compensating zero and FS thermal error
- Using high reliable and stable solid piezoresistive pressure cell
- Cable connection or plug connection



MICROSENSOR

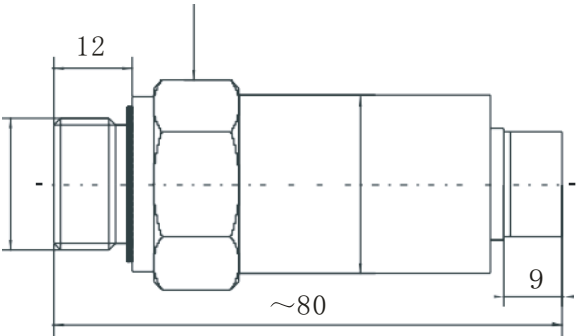
AUTHORIZED DISTRIBUTOR

General MPM380 pressure transducer is produced by build-in an OEM piezoresistive pressure sensor into stainless steel housing. Due to stainless steel pressure port and housing, the product has good media compatibility, stable performance and high accuracy, it can be used for static gas and liquid media pressure measurement. Flush diaphragm MPM380 pressure transducer has G1/2 male pressure port and Viton sealed washer for fact type seal. Flush diaphragm MPM380 transducer has 0 ~70kPa...35MPa pressure range, it can be used for food, medicine, sanitation fields which is easy to be dirty.

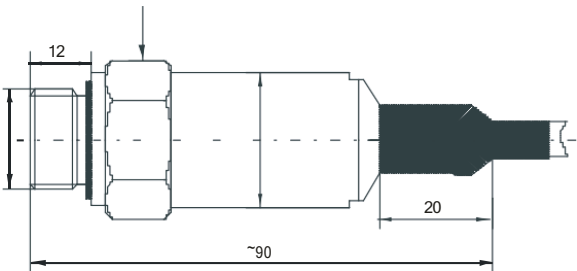
SPECIFICATIONS

Pressure range	-100kPa...0kPa~20kPa...100MPa	
Overpressure	2 times FS or 110MPa (min.value is valid)	
Power supply	1.5mA DC	
Signal	≥70mV DC(0kPa~20kPa, ≥50mV DC)	
Accuracy	±0.1%FS(min) ±0.25%FS(typ) ±0.5%FS(max)	
Long-term stability	±0.3%FS/year	
Compensation temp.	0°C ~50°C	
Operation temp.	-30°C~ 80°C	-10°C~70°C (Cable)
Storage temp.	-40°C~ 120°C	-20°C~ 85°C (Cable)
Zero temp. coefficient	±0.02%FS/°C (typ.)	±0.04%FS/°C (max.)
FS temp. coefficient	±0.02%FS/°C (typ.)	±0.04%FS/°C (max.)
Housing	Stainless steel 304	
Diaphragm	Stainless steel 316L	
O-ring	Viton	
Cable	Polythene	
Response time (10%-90%)	≤1ms	
Insulation resistance	100MΩ,100V DC	
Production	IP65(cable connection)	

OUTLINE CONSTRUCTION (UNIT:mm)

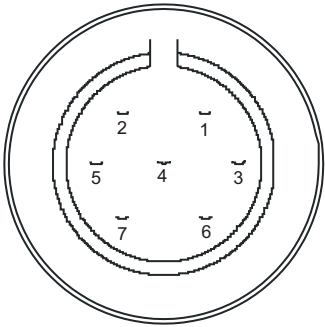


Code I



Code II

ELECTRICAL CONNECTION



Pin	Definition	color
3	+IN	Black
5	-IN	Yellow
1	-IN	White
2	+OUT	Red
4	-OUT	Blue

Note:
Standard electric connection is plug connection; cable connection is optional.

ORDER GUIDE

MPM380		Piezoresistive Pressure Transducer						
		Code	Pressure range	Ref.	Code	Pressure range	Ref.	
		0B	0~ 20kPa	G	12	0~2MPa	G, A	
		0A	0~ 35kPa	G	13	0~3.5MPa	G, A,S	
		02	0~ 70kPa	G.A	14	0~7MPa	A, S	
		03	0~ 100kPa	G.A	15	0~10MPa	S	
		07	0~ 200kPa	G.A	17	0~20MPa	S	
		08	0~ 350kPa	G.A	18	0~35MPa	S	
		09	0~ 700kPa	G.A	19	0~70MPa	S	
		10	0~ 1000kPa	G.A	20	0~100MPa	S	
			Code	Pressure type				
	G		Gauge					
	A		Absolute					
	S		Sealed gauge					
	Code		Electric connection					
	I		Plug connection					
	II		Cable connection					
	Cable length(m)		1.5m cable is free of charge; the extra cable should be paid additionally.					
	Code		Pressure port					
	PC1		M20×1.5 flush structure					
	PC3		G1/2 flush structure					
	C1		M20×1.5 male, end face seal					
	C5		G1/2 male, end face seal					
	Code	Special measurements						
N	The gauge type can be used to measure negative pressure (-100kPa~0kPa)							
MPM380	10	G	II	5	C1	N	the whole spec	

- Note:**
- We can also provide the user with voltage power supply product, the power supply is more than 9V; please note it when you select option codes;
 - When the user install flush diaphragm product at local place, please pay attention to correct sealing method to prevent the stress affecting product stability; please use attached seal-ring to install and seal, but not use face type sealing or wrap tetrafluoroethylene belt on the thread;
 - If the customer has special requirement, please feel free to contact our company.