# MPM380 Piezoresistive

# **Pressure Transducer**



General MPM380 pressure transducer is produced by buildin 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.



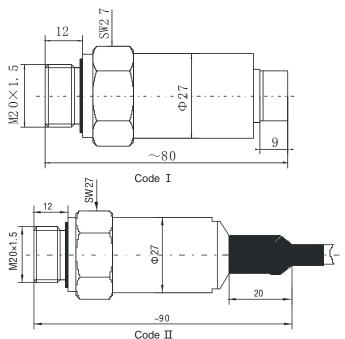
-100kPa0kPa~20kPa100MPa			
1.5 times FS or 110MPa (min.value is valid)			
1.5mADC			
≥70mVDC(0~20kPa,≥50mVDC)			
±0.1%FS(min.), ±0.25%FS(typ.), ±0.5%FS(max.)			
±0.3%FS/year			
0°C ~50°C			
-30°C ~80°C , -10°C ~70°C (Cable)			
-40°C ~120°C , -20°C ~85°C (Cable)			
±0.02%FS/°C (typ.), ±0.04%FS/°C (max.)			
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Stainless steel 1Cr18Ni9Ti			
Stainless steel 316L			
Viton			
Polythene			
≤1ms			
100MΩ, 100VDC			
IP65(cable connection)			



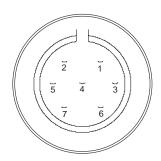
#### **Features**

- 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

## Outline Construction (Unit: mm)



### **Electrical Connection**



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

Standard electric connection is plug connection; cableconnection is optional.

### **Order Guide**

МРМ38	0	Piezoresistive Pressure Transducer										
	Code	Э	Pressu	re range	Ref.	Cod	de	Pressure range	Ref.			
	0B		0~ 2	0kPa	G	12	)	0~2MPa	G, A			
	0A		0~ 3	5kPa	G	13	3	0~3.5MPa	G, A,S			
	02		0~ 7	'0kPa	G.A	14		0~7MPa	A, S			
	03		0~ 10	00kPa	G.A	15	j	0~10MPa	S			
	07		0~ 20	00kPa	G.A	17	,	0~20MPa	S			
	08		0~ 3	50kPa	G.A	18	3	0~35MPa	S			
	09		0~ 70	00kPa	G.A	19	)	0~70MPa	S			
	10		0~ 10	00kPa	G.A	20	)	0~100MPa	S			
	Code Pressure type											
		G Gauge										
			Α	Absolute	)							
	S Sealed gauge  Code Electrical connection											
				I	Plug connection							
				П	Cable connection							
					Cable length(m)	1.5m cable is free of charge; the extra cable should be paid additionally.						
						Code	Pres	sure port				
						Р	G1/2	male flush diaphra	agm			
NADA 4	200											
MPM380 10 G II 5 P the whole spec												

#### Notes

- 1. 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;
- 2. 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;