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Датчик давления МРМ4780. Технические характеристики.

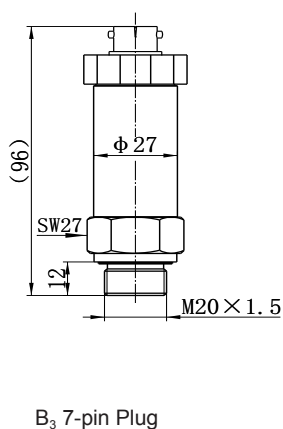
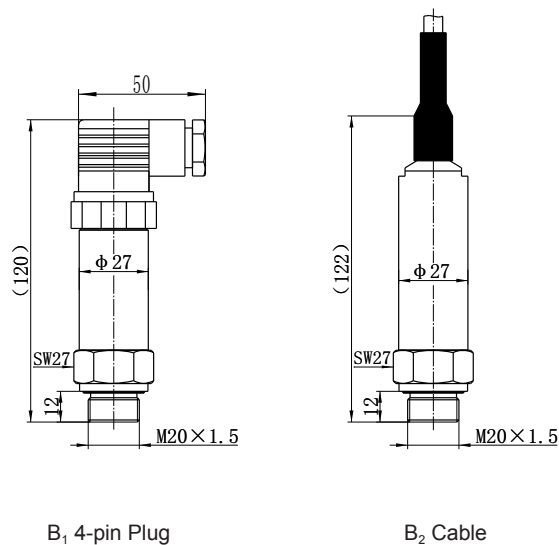


Features

- RS485 communication interface, Standard MODBUS-RTU Protocol output
- Netting available
- Short circuit protection and reverse polarity protection
- Full stainless steel construction, compact size, light weight
- Good output consistency and replaceability
- Available for calibration and parameter change on site through matched software of computer

Range	-1bar...0bar~0.1bar...1000bar
Over pressure	1.5 times FS / 1100bar (min. value is valid)
Pressure type	Gauge/ Absolute/ Sealed gauge
Power Supply	9V~28V DC
Output signal	RS485 Interface(MODBUS-RTU protocol)
Accuracy	±0.5%FS
Thermal drift	±0.04%FS/°C (≤1bar); ±0.03%FS/°C (>1bar)
Measurement Error	±2°C (For "temperature & pressure type" only)
Application Temp.	-30°C ~ 80°C ; -10°C ~ 70°C (cable)
Storage Temp.	- 40°C ~ 120°C ; -20°C ~ 85°C (cable)
Insulation	100V, 100M
Stability	±0.3%FS/YEAR
Shock	20g, 25Hz~2000Hz
Impact	100g, 11ms
Protection	IP65(B ₁ ,B ₂); IP63(B ₃)
Weight	~160g
Housing	Stainless steel 304
Diaphragm	Stainless steel 316L
O- Ring	Viton
Notes: 1. Shrinking range is 1/5 basic range, no range extension; 2. For special temperature requirement, please feel free to contact our company.	

Outline Construction (Unit: mm)

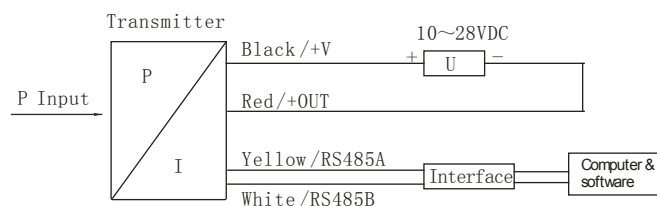


Communication Connection

Transmitter connecting the outside by plug or cable:

Function	Inner plug pin color	Outer Electrical Connection		
		4-pin plug	Wire Color	7-pin plug
+V	1 (Black)	1	Black	1
-V	2 (Red)	2	Red	2
RS485B	4 (White)	≡	White	5
RS485A	5 (Yellow)	3	Yellow	4

Electrical connection for transmitter with RS485 interface(MODBUS Protocol):



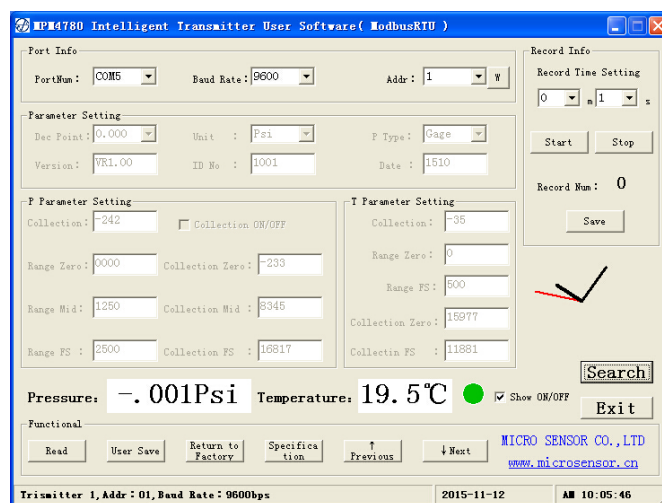
Assistant Software

MPM4780 Transmitter Software

RS232/485 Conversion module is used to communicate with RS485 interface transmitter, available for real time pressure/temperature display and calibration on site.

Some parameters calibration was done before being transported at factory, so users do not have to modify them. When mistaken operations happen, users can push "Back to Factory Setting" to turn it to factory setting.

Besides, the software keeps Data Record section, which allow users to set the record interval freely for recording and saving data, and the data can be saved in the forms of "*.Excel".



Order Guide

MPM4780		Intelligent Pressure Transmitter					
		Range	Measure range: -1bar...0bar~0.1bar...1000bar				
		[0~X]bar	X=actual measure range				
			Code	Output Signal			
			R ₈	RS485 interface, MODBUS communication protocol			
			Code	Construction Material			
				Diaphragm	Pressure Port	Housing	
				22	S.S.316L	S.S.	S.S.
				24	S.S.316L	S.S.316L	S.S.316L
				Code	Others		
				B ₁	4-pin plug connection		
				B ₂	Cable connection, default cable length:1.5m		
				B ₃	7-pin plug connection		
				C ₁	M20×1.5 male, face type seal		
				C ₃	G1/2 male		
				C ₄	G1/4 female		
				C ₅	M20×1.5 male, waterline seal		
Yc	MS200 water-proof connection box						
Yd	PD140 lightening-proof protection device						
		G	Gauge				
		S	Sealed Gauge				
		A	Absolute				
MPM4780	[0~1]bar	R ₈	22	B ₁ C ₁ YdG	The Whole Spec.		

Notes

- 1.Please note transmitter type (Pressure/level) in the order;
- 2.There is no temperature measurement function for typical transmitter, if temperature measurement is needed, please note in order;
- 3.Please note in the order if the user needs zero pressure as negative pressure;
- 4.Please note the type of junction box if wiring box needed; If the user has no special requirement for cable, we provide default PVC cable;
- 5.If the user has special requirement, please feel free to contact our company.

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