



Recorder



Flow



Pressure



Temp



Analyzer



Level

Datasheet

Pressure and temperature

2 in 1 transmitter

SUP-PD500

Supmea[®]

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Datasheet

Pressure and temperature 2 in 1 transmitter

The transmitter that integrates pressure and temperature measurement 2 in 1. Select high-reliability silicon piezoresistive pressure sensor, thermal resistance as the core components, after temperature compensation, digital circuit correction and signal conditioning, output standard industrial signals. The products with carefully designed, component screening, process verification and curing, cyclic loading and aging, environmental simulation testing and other processes to ensure that each product is stable and reliable. It is widely used in various pressure measurement with its excellent accuracy and reliability.

Application

- Coal mining
- oil field
- chemical industry
- environmental protection
- Medicine
- Environmental remediation
- water affairs
- Shipping



Features

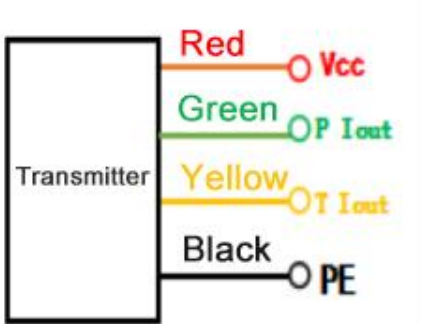
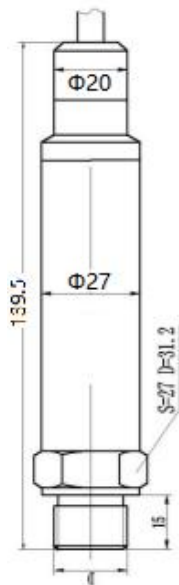
- Temperature and pressure 2 in 1
- High stability and low offset.
- A variety of structures
- strong versatility.
- Fully enclosed structure
- Ingress protection IP68

Pressure and temperature 2 in 1 transmitter

Parameters

Measuring range		
Measuring range	Pressure	0~600kPa...60MPa
	Temperature	0~65℃
Overload pressure	≤150%FS	
Type of pressure	Gauge pressure	
Accuracy	Pressure	0.5%FS
	Temperature	2.5%FS
Long-term stability	±0.2%FS/year	
Zero temperature drift	±0.03%FS/℃	
Sensitivity drift	±0.03%FS/℃	
Compensation temperature	0℃~60℃	
Medium temperature	-30℃~65℃	
Power supply	12VDC~30VDC	
Output signal	4mA~20mA	
Load Resistance	Current type: ≤ (U-12) / 0.02 (Ω)	
Ingress protection	IP68	

Dimension and wiring



Red	Power supply +
Green	Pressure current output +
Yellow	Temperature current output+
Black	Grounding

Ordering code

SUP-PD500-G-2A-S1-L2-C-WA-02										Description
PD500	-	-	-	-	-	-	-	-	-	
Pressure Type	G									Gauge Pressure
Measurement Range	2A									0-0.6MPa
	2B									0-1MPa
	2C									0-1.6MPa
	2D									0-2.5MPa
	2E									0-4MPa
	2H									0-10MPa
	2K									0-20MPa
	2L									0-25MPa
	2M									0-30MPa
	2N									0-40MPa
	2P									0-60MPa
	XX									Other
Output and Power Supply	S1									3-Wire 4-20mA,24VDC
	A3									0-10V,24VDC
	A4									0-5V,24VDC
	A5									RS485,24VDC
	XX									Other

Thread Type	L2					M20×1.5
	G2					G1/2
	XX					Other
Diaphragm and Thread Type Material		C				316SS,304SS
		D				316SS,316SS
		X				Other
Electrical Interface, Housing Material, and Ingress Protection			WA			DIN Connector,304SS,IP65
			WC			DIN Connector,316SS,IP65
			WT			Cable Connector,304SS,IP68
			WV			Cable Connector,316SS,IP68
			XX			Other
Cable Length				02		2m
				05		5m
				10		10m
				XX		Other

Related products



Monocrystalline silicon pressure Transmitter



High temperature pressure transmitter



High temperature flat film pressure transmitter



Hessman differential pressure transmitter



Flat membrane pressure transmitter



Digital display transmitter