



MAIN FEATURES:

- Reliable performance, easy application
- Short protection and reverse polarity protection
- Measure gauge, absolute and sealed gauge

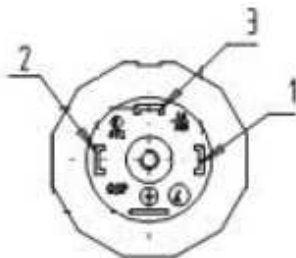
DESCRIPTION:

AP401 is a piezoresistive pressure transmitter with zero and span adjustable. It uses high stable and reliable pressure sensor and special circuit board to produce transmitter, and performance is good and reliable. This transmitter is used for measure and control of petroleum, chemi-industry, electric power, hydrology and flow pressure measure.

SPECIFICATIONS:

Pressure range	-100kPa...0kPa~10kPa...100MPa
Overpressure	1.5 times FS or 110MPa
Pressure type	Gauge / Absolute / sealed gauge
Accuracy	±0.5%FS
Power supply	11V~28Vdc
Output signal	4mA~20mA DC (2-wire), 0/1V~5Vdc (3-wire)
Zero thermal drift	±0.1%FS/°C (≤100kPa); ±0.05%FS/°C (>00kPa)
Span thermal drift	±0.1%FS/°C (≤100kPa); ±0.05%FS/°C (<00kPa)
Load	≤(U-11)/0.02Ω (2-wire), ≥10k (3-wire)
Long term stability	±0.3%FS/year
Compensation temp.	-0°C~+50°C
Application temp.	-30°C~+80°C
Storage temp.	-40°C~+120°C
Housing protection	IP65
Process connection	M20x1.5 male
Electric connection	DIN43650 plug

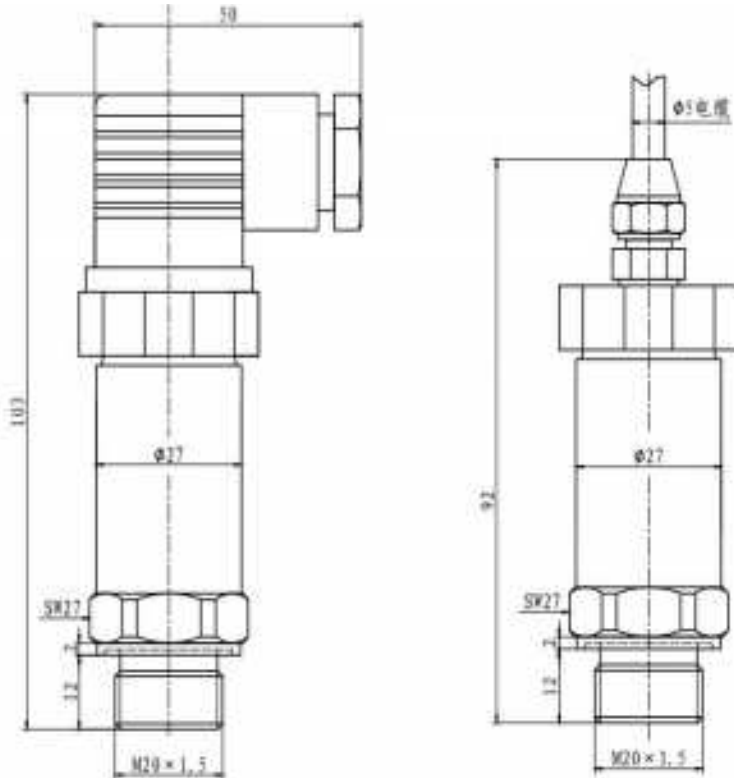
ELECTRIC CONNECTIONS:



Pin	2-wire	3-wire
1	+V	+V
2	Signal: +OUT	GND
3	Null	Signal: +OUT

Wire color	2-wire	3-wire
Black	+V	+V
Red	+OUT	+OUT
white	Null	GND

OUTLINE STRUCTURE:



ORDER GUIDE:

AP401	Pressure Transmitter					
	Range	Pressure range: -100kPa...0kPa~10kPa...100MPa				
	[0~X]kPa or MPa	X: the actual measured pressure				
	Code	Output signal				
	E	4mA~20mA DC				
	F	1V~5V DC				
	J	0V~5V DC				
	Code	Construction material				
		Diaphragm	Pressure port	Housing		
	22	SS 316L	SS	SS		
	Code	Others				
	B ₁	Plug connection				
	B ₂	Cable connection				
	C ₁	M20×1.5 male, face type seal				
	C ₃	G1/2 male (used for flush diaphragm type)				
	C ₅	M20×1.5 male, waterline seal				
	G	Gauge				
	S	Sealed gauge				
	A	Absolute				
AP401	[0~100]kPa	E	22	B ₁ C ₅ G	the whole spec	

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