

## PT-219 Pressure Transmitter

### Product description:

PT-219 pressure transmitter adopts the diffused silicon pressure sensor core of the internationally famous company, and converts the pressure of the measured medium into 4~20mA, 0~10VDC analog signals and IIC, RS485 and other standard digital signals through the highly reliable amplifying circuit and precision digital temperature compensation and nonlinear correction technology. Self-opening waterproof plug with fully sealed welding process to ensure excellent quality and best performance. Users can easily, quickly and accurately measure the pressure of all kinds of fluids. The ultra-high cost performance can be widely used in petroleum, chemical industry, metallurgy, electric power, frequency conversion pump, complete water supply, refrigeration, air conditioning, air compressor and other fields.



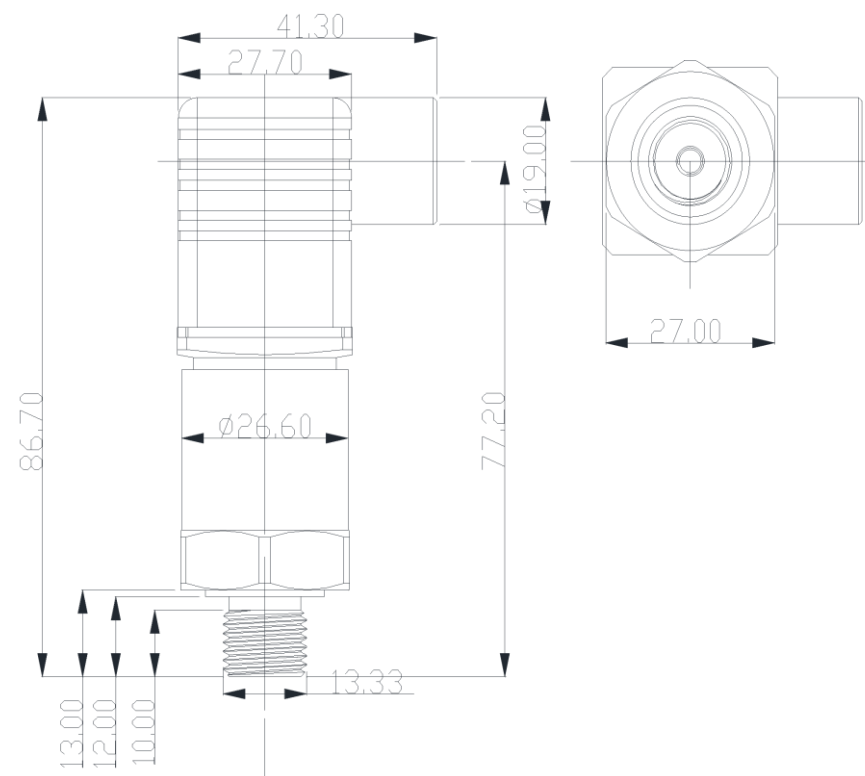
### Main features:

- The high-performance diffused silicon sensor core is equipped with a highly integrated bridge pressure sensor signal conditioning advanced chip
- Digital temperature compensation and nonlinear correction
- A variety of signal output, with independent open-die plug waterproof and breathable, perfect for Hirschmann, HTP and other conventional sockets, a wide range of adaptation
- High sensitivity, high precision and high stability
- Full temperature area, good electrical performance and long-term stability
- The plug and casing are stable and waterproof to avoid the thread loosening of the common plug
- Process connections can be customized
- High cost performance, one year warranty

**Technical specifications:**

Pressure range	-1...0~0.2...100Bar				
Overload pressure	200%FS				
Process connection	G1/4 etc, can be customized				
Accuracy	±0.5%、±0.2%、±0.1%				
Operating temperature	-40℃~85℃				
Temperature drift	±0.03%FS/℃				
Long-term stability	±0.3%FS/year				
Storage temperature	-40~125℃				
Temperature compensation range	-10~70℃				
Output signal	Absolute 0-10V	Proportion 0-5V	4-20mA	IIC	RS485
Power supply (v)	10-36	3.0-5.5	10-36	3.3-5.5	10-36
Load (Ω)	>10K	>10K	≤5(U-10)	-	-
Protection	IP65				
Adaptability of medium	No corrosion on 304 stainless steel for various fluids				
Vibration	10gRMS, (20~2000)Hz				
Impact	100g, 11ms				
Insulation	>100MΩ @250VDC				
Response time	<1ms (@ 90%FS)				
CE certification	EMC: IEC61326-1 B type Electrostatic discharge immunity: IEC61000-4-2 Electromagnetic field immunity: IEC61000-4-3 EFT immunity: IEC61000-4-4 Surge immunity: IEC61000-4-5				

**Dimensions (thread can be customized):**



**Electrical connection:**



Output	4~20mA	Vout	IIC	RS485
	Vin (red)	Vin (red)	Vin (red)	Vin (red)
	GND (black)	GND (black)	SCL (white)	A (yellow)
		Vout (white)	SDA (yellow)	B (white)
			GND (black)	GND (black)

**Selection tips:**

- When selecting the type, please note that the tested medium should be compatible with the part of the product in contact with the medium.
- Voltage type input-output has a variety of ranges, which should be indicated in the order form.
- The process connection can be customized and should be indicated in the order form.
- IIC output non-polar protection, the installation process must be confirmed before powering on.
- Please contact us for special requirements and indicate them in your order form.