

DATASHEET

Pressure

Pressure Transmitter

For General Industrial Applications

Model PWP350-D

Applications

- Water treatment
- Cooling system
- Machinery equipment
- Hydraulic and pneumatic
- Industrial process control
- Pumps and compressors
- Food industry

Features

- With 4 bits LED display
- Adjustable on/off switch
- Zero point and full point calibration
- Excellent EMC performance
- Equipped with 3 intelligent protection
- Fully welded stainless steel housing
- High cost-effective



Pressure transmitter PWP350-D

Description

PWP350-D pressure transmitter/transducer with LED digital display, applies high quality imported piezoresistive pressure sensor chip, the core is MCU(microcontroller unit). Convenient for workers to read the value at site and very easy to use. Equipped with 3 intelligent protection: Over-voltage, over-current and reverse wiring protection.

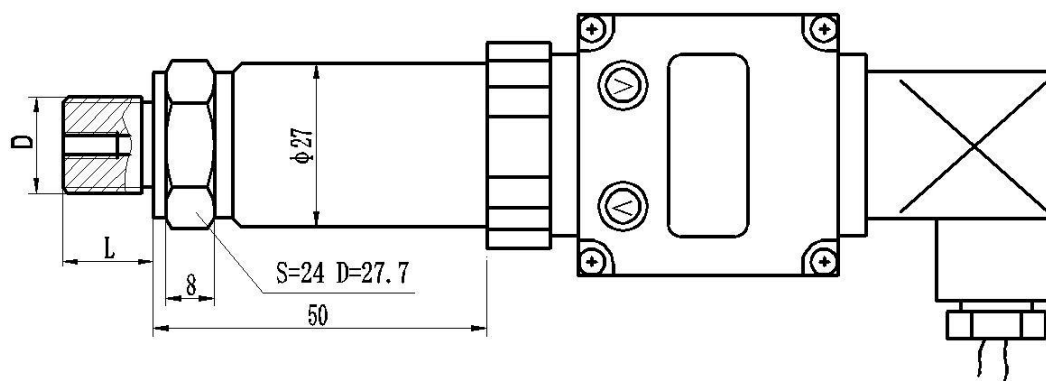
After temperature compensation, digital circuit correction and signal conditioning, it outputs standard 4-20mA signals. At the same time, a comparator circuit with adjustable switching point is designed according to user needs, and output high and low level signals. Achieve high-speed response and good electromagnetic compatibility of the pressure switch, reliable performance and high cost performance.

Pokcenser can provide high cost-effective solutions for local monitoring. Come to us to know more.

Specifications


Model	PWP350-D
Pressure Type	Relative (gauge) /Absolute pressure
Pressure Range	-0.1MPa ... 0kPa~10kPa ... 100MPa
Safe Overload	≤150%FS
Burst Pressure	200%FS
Electrical Connection	DIN43650 Hirschmann Terminal box
IP Rating	IP65
Indicator Info.	4-digital display 0.1%FS accuracy Units MPa, KPa, bar Dimension 43*38*17.5mm
Accuracy	±0.5%FS
Signal Output	4-20mA; 4-20mA+Relay NPN
Power Supply	24VDC
Response Time	≤3ms (10%~90%)
Medium Compatible	Liquid compatible with SS316L material
Load Resistance(2 wires)	$R \leq (U-10)/0.02-RD$ (U: Power supply, RD: Internal resistance in the cable)
Total current consumption	Current signal(2wires): Max about 23mA
Non-linear (%FS)	≤0.4
Hysteresis (%FS)	≤0.1
Repeatability (%FS)	≤0.1
Long-term Stability (%FS/year)	≤0.5
Zero Temp Drift (%FS/°C)	≤0.05
Compensation Temp.	-10℃~+60℃(Typical), others can be customized
Working Temp.	-40℃~+85℃
Storage Temp.	-40℃~+85℃
Vibration Environment	10g (@10Hz~2000Hz)
Impact Resistance	100g/11ms
Service Life	>10 million load cycles (within measurement range)
EMC Standard	EN IEC 61326-1:2021; EN IEC 61326-2:2021

Dimensions and Drawings



*Unit:mm. Above is typical structure. Other structures and dimensions can be customized.

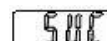
Electrical Connection

DIN43650 Hirschmann connector				
	Terminal	Current(2wires)	Voltage(3wires)	IIC(4wires)
	1	Vcc	Vcc	Vcc
	2	Iout	GND	GND
	3	/	Vout	SCL
	⏏	PE	PE	SDA

Debugging Method

How to reset zero point:

1. Press and hold the key "o" for 3 seconds on the measurement interface.
2. After zero point is reset successfully, the D display window will display



*Note: The meter zero point reset function is only used when the current input signal is 4mA.



How to Order

Example Part Number: 350D[10]BGT1S2C4A1M1000

Model No.	PWP350	350
Electronic connection	D=DIN43650 Hirschmann terminal box with LED indicator	D
Pressure Range	-0.1MPa ... 0kPa~10kPa ... 100MPa Directly write in []	[10]
Pressure Units	B=bar P=Psi K=kPa M=MPa H=mH ₂ O	B
Pressure Type	G= Gauge/Relative A=Absolute N=Negative	G
Signal Output	T1=4-20mA(2wires) T2=4-20mA+NPN T0=Customized	T1
Power Supply	S1=24VDC S2=15-30VDC S0=Customized	S2
Pressure Connection	C1=G1/4" male C2=1/4"NPT male C3=M20x1.5 male C4=G1/4" female C5=1/4"NPT female C6=G1/2"male C7=1/2" NPT male C8=1/8"NPT male C0=Customized	C4
Accuracy	A1=0.5%F.S. A2=0.25%F.S. A3=0.1%F.S.	A1
Housing Material	M1=SUS304(Typical) M2=316L M0=Customized	M1
Cable Length	000=Non-cable 001= 1m cable 002= 2m cable ...	000

*Means to order: Pressure transmitter PWP350-D Hirschmann connector with LED indicator, 0~10 bar Gauge, 4-20mA, 12-30VDC, G1/4" female, 0.5%FS accuracy, SUS304 material, cable length is 0.

You may also Need

Reference Picture	Description	Product
	To connect with pressure transmitter and to have a site indicator of the measured value, have high&low value alarms, record and control.	Display/indicator/controller
	Cast aluminum material with IP67 protection level for submersible pressure transmitter. Moisture-proof sealing design, insulation protection against electric shock. To be placed in dry environment or in a cabinet.	Terminal box 0010

***Tell us medium / which application / measuring range / working temperature / signal output / what you wanna to realize, our sales engineer will recommend suitable model for you.*