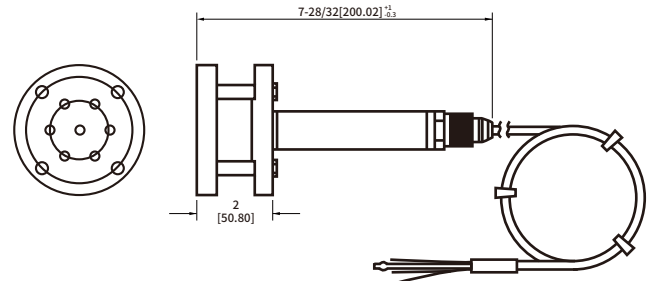


General Specification

Pressure resistive sensor NO: PRS-11 series



Dimensions (mm)



Product characteristics

- **Hydrostatic level measurement principle**
Accurately converts liquid column pressure into proportional electrical output.
- **Continuous level monitoring**
Provides real-time measurement of liquid level changes.
- **High accuracy and stability**
Precision piezoresistive sensing element with low drift performance.
- **Suitable for harsh environments**
Designed for sewage, wastewater, and contaminated liquid applications.
- **Robust stainless steel or corrosion-resistant housing**
Ensures long-term durability in aggressive media.
- **Wide output options**
4–20 mA, 0–5 V, 0–10 V, or digital interface available.
- **High overload resistance**
Withstands pressure spikes and sudden level fluctuations.
- **Excellent EMI/EMC immunity**
Stable operation in industrial control environments.

Applications

- Sewage and wastewater tank level monitoring
- Pump control and dry-run protection
- Flood monitoring and overflow prevention
- Industrial water management systems

Product performance characteristics

Characteristics	Parameter	Rating
Electrical Characteristics	Power Requirement	13-30V DV
	Output Signal	4-20mA DC, two wire
	Response Time	50 msec
	Loop Resistance	850Ω (30V DC)
	Electrical Connection	Wire pigtail
	Accuracy	±0.25% full scale (Under normal temperature)
	Thermal Effect	Less than ±0.02%/°C (The full range temperature is 100 degrees Celsius)
Mechanical Characteristics	Pressure Limit	2X full scale
	Seals	Fluoroelastomer
	Wetted Materials	316/316L SS
Operating Condition	Operating temperature	-18~93°C (0~200° F)
	Compensated temperature Range	-18~82°C (0~180° F)
	Service	Compatible liquids

Please contact sales@xintec.hk for latest product details