

Instructions

Throw-in level pressure sensor

PT220/PT220E/PT220FE



| Summary

PT220 series is specially designed for diving liquid level measurement. The sensitive element adopts diffused silicon core. The sensor has a built-in digital circuit board with strong anti-radio frequency and electromagnetic interference. It has strong anti interference ability and wide temperature compensation range,the standard body of the sensor is made of 304 stainless steel, adopts a complete assembly process, and has a protection level of IP68 to ensure that it is durable and has a long service life in high-demand industrial situations.

| Feature

- Moisture-proof, anti-condensation, anti-leakage, protection degree IP68
- Excellent impact resistance, overload resistance, vibration resistance and corrosion resistance
- Strong anti-radio frequency and electromagnetic interference protection
- High precision, high frequency response, good long-term stability
- Configurable on-site display, convenient on-site reading

| Application

- Urban water supply, groundwater level monitoring
- Water conservancy and hydropower monitoring and control
- Petrochemical industry
- Strongly corrosive liquid level monitoring

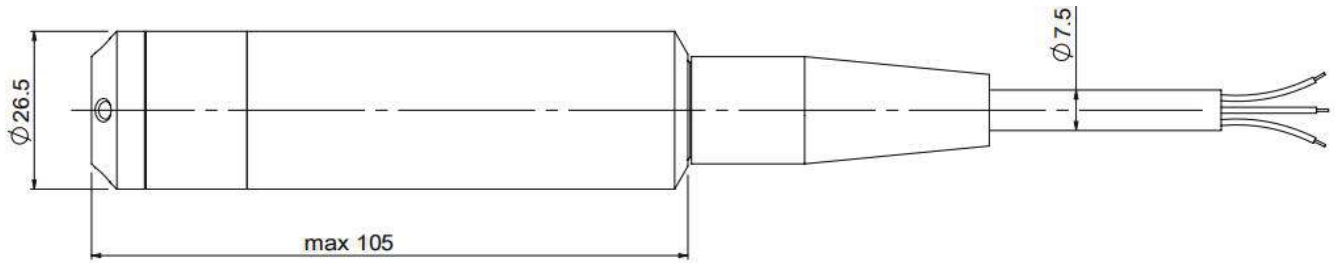
Specification

Pressure range	0~1mH ₂ O; 0~200mH ₂ O		
Pressure type	Gauge pressure		
Accuracy	0.5% F.S; 0.25% F.S; 0.1% F.S		
Electrical Performance	2-wire	3-wire 0~10V	3-wire
Output signal	4~20 mA	0~10V	0~5V
Power supply	12~30Vdc	15~30Vdc	12~32Vdc
Overload resistance	50MΩ 100Vdc		
Process connection	Throw-in type,"X" thread or flange connection		
Overload pressure	3 times rated pressure		
Broken pressure	5 times rated pressure		
Diaphragm Temp	-25~85℃		
Protection degree	IP65		
Long term stability	0.2% FS / year		

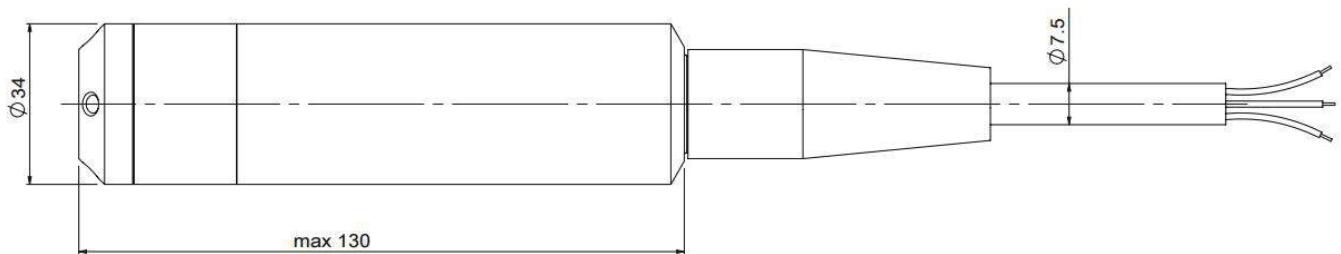
E-connection

Leding wire, Shielded			
		Current	Voltage
	U+	red	red
	0V		black
	S+	black	blue

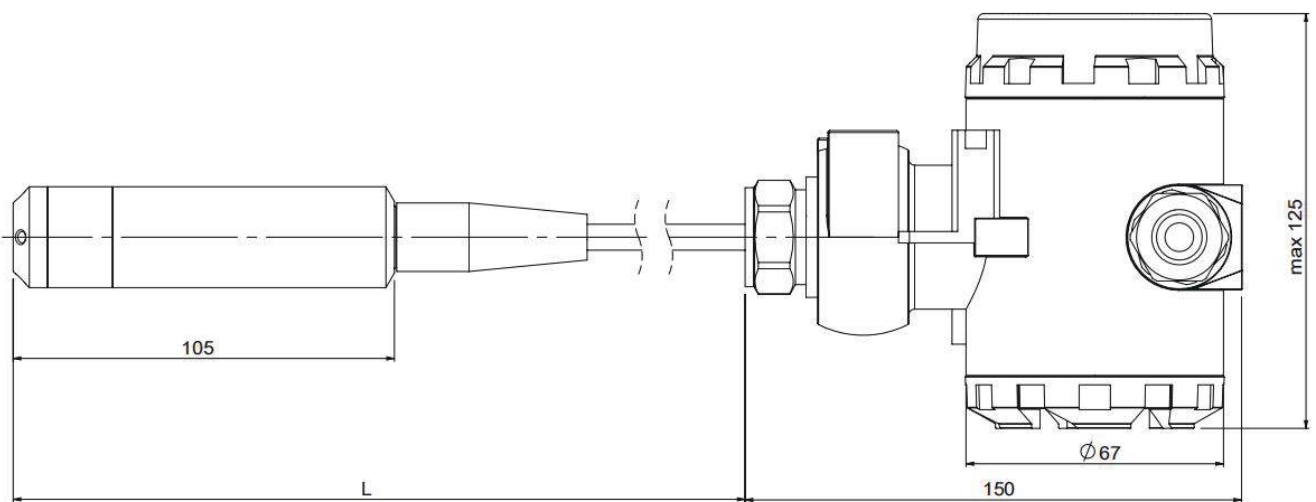
Dimension



PT220



PT220E



PT220FE

Ordering guide

PT220E: Housing and wires are made of PTFE (Polytetrafluoroethylene).

PT220CC: The core element is a ceramic capacitor.

Series code		X	-	X	-	X	-	X	-	X	-	X	-	X	-	X	-	X
Product type	Standard Submersible Level Transmitter	PT220																
	Anti-corrosion Submersible Level Transmitter	PT220E																
	2088 Digital Display Submersible Level Transmitter	PT220FE																
	Ceramic Capacitance Submersible Level Transmitter	PT220																
Pressure unit	mH ₂ O			M														
	kPa			K														
Pressure range	Pressure range value x					X												
Process connection	Throw-in type							-										
	"X"thread or Flange							X										
Output Signals	4~20mA									MA								
	0~10VDC									10V								
	RS485 signal (Power supply: 8~30 VDC)									RS485								
	RS485 signal (Power supply: 3~8 VDC)									RS485/L								
	4 ~ 20mA with HART protocol									H								
	0 ~ 5 VDC									5V								
Cable length	X meter										MX							
Material	SUS304 (Standard)											-						
	PTFE											4F						
	SUS316L											3L						
Explosion-proof Requirement	No Requirement													--				
	Intrinsically Safe Type													IA				
	Flameproof Type													ID				
Accuracy	0.5%F.S (standard)															--		
	0.25%F.S															2A		
Special Requirements	Please consult us for other special requirements																	--