

CS-PT400 Series

Economical Diffuse Silicon Sensor Level Transmitter

Feature

0.25%F.S, 0.5%F.S Accuracy
 OEM Doable
 Diffused Silicon Sensor
 Multiple Pressure Ranges and Signal outputs
 Embedded & screwed installation
 Nonpolar two-wire Current Output
 AC/DC Voltage Powered
 Intrinsically safe, Explosion-proof and CE Certificate
 Powerful Electromagnetic Interference Proof

Application

Hydraulic Monitoring
 Constant Water Supply
 Frequency Water Supply
 Sewage Treatment
 Water-Saving Irrigation
 Urban Flood Control

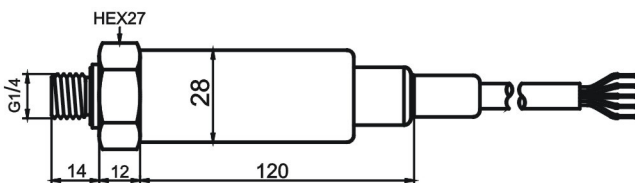
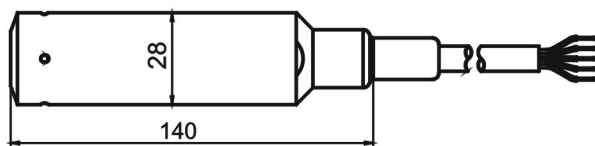


Introduction

CS-PT400 series of level transmitters provide long term high reliability, stability, and accuracy for liquid depth and pressure measurement such as water, oil and mild corrosive liquid.

The housing adopts stainless steel. The pressure sensing elements are selected from well-known international brands. Special converting circuits can adjust zero and span range conveniently and digital adjustment are provided for the products.

Special strong cables for corrosive, abrasive, and chemical environment are offered according to field environment. The products are approved with CE, intrinsically safe, and explosion-proof certificates.



Interface Definition				
Plug	two-wire	cable	three-wire	cable
1	Power	red	Power	red
2	Output	blue/green	Output	blue/green
3			GND	black
4(E)	Shield	yellow	Shield	yellow

Signal Output Format	
two-wire	4~20mA
three-wire	0~5V, 0.5~4.5V, 1~5V, 0~10V(dc)

Technical Parameters

Parameter	Value			Note
Measure Range	0~2...200mH ₂ O			mH ₂ O=9.81KPa
Overload Pressure	1.5×RP(rated pressure)			
Broken Pressure	3.0×RP(rated pressure)			
Accuracy	0.1%F.S, ±0.25%F.S, ±0.5%F.S(MARS series have higher accuracy)			
Stability	Typical 0.1%F.S, Max 0.2%F.S			
Operating Temperature	-40°C~85°C			
Compensating Temperature	-10°C~70°C			
Medium Compatibility	Corrosive medium compatible with Cr18Ni9Ti, 316L			
Wires	Two-wire	Three-wire		
Signal Output	4~20mA	0~5V	0~10V	
Power Supply	12~36Vdc	10~36Vdc/ac	12~36Vdc/ac	dc/ac means dc and ac are both usable
Load Resistance	(U-10)/0.02(Ω)		>100KΩ	
Insulation	>100MΩ@50V			
Elec. connector	five level protection. IP68			
Pressure Port	G1/4, Embedded Type			
Response Time	10ms			
Pressure Form	Gauge G , Absolute A			
Certificate	CE, Intrinsically safe E, Explosion-proof D			
EMC	EMI: EN50081-1/-2; EMS: EN50082-2			
Lightning Proof	Air-conduction voltage 8000V, Conduction voltage of housing and cable: 4000V			Customizable

Type Selection Guide

