

CS-PT400 Series

Occumenical Diffuse Silicon Sensor Level Transmitter

Feature	Application
0.25%F.S., 0.5%F.S Accuracy	Hydraulic Monitoring
OEM Doable	Constant Water Supply
Diffuse Silicon	Frequency Water Supply
Multiple Pressure Ranges and Signal outputs	Afterbaydam Level
Embedded & screwed installation	Sewage Treatment
Nonpolar two-wire Current Output	Water-Saving Irrigation
AC/DC Voltage Powered	Urban Flood Control
Intrinsically safe, Explosion-proof and CE Certificate	
Powerful Electromagnetic Interference Proof	

Introduction

CS-PT400 series pressure transmitter is a high reliability, high stability and high accuracy level transmitter which is widely used in liquid pressure and height measurement, such as water, oil and mild corrosive liquid.

The product is made of 1Cr18Ni9Ti stainless steel and core body is selected from well-known brand. The special transmitter converting circuit can adjust the zero value and the full range expediently and can be adjusted digitally.

We offer special cable that is resistant to abrasion, oil, acid & alkaline and strength according to on-site environment.

This product has got intrinsic safety certification, explosion proof certification and CE certification.

The lead of two-wire circumfluent is no-polarity with the three-wire voltage output is Vdc / ac.



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....200mH2O		mH2O=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		
Operate Temperature	-40℃~85℃		
Compensation Temperature	-10℃~70℃		
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
Load Resistance	(U-10)/0.02(U)		dc/ac means dc and ac are all usable
Insulation	>100MΩ@50V		
Elec. connector	five level protection, IP68		
Pressure Port	G1/4, Embedded Type		
Response Time	10ms		
Pressure Form	Gauge G, Absolute A		
Compliant	CE, Intrinsically safe E, Explosion-proof D		
EMC	EMI: EN50081-1/-2, EMS: EN50082-2		
Lighting Proof	Air-conduction voltage 8000V/Conduction voltage of housing and cable, 4000V		Customizable

Type Selection Guide

