Product Description

CS-PT400 submersible level transmitter is a high-accuracy, compact structure, long terms stability product. with high resistance to abrasion, oil, acid, and alkali cables. CS-PT400 is widely used in potable water supply, and reservoirs/lakes/river water monitoring.

The CS-PT400 complies with intrinsically safe and CE, UKCA certifications.



CS-PT400/L/E

CS-PT400-2

CS-PT400FD

- ★ ±0.25%F.S, ±0.5%F.S
- ★ High accuracy diffused silicon pressure sensor
- ★ Anti-freezing, anti-blocking, anti-lightning strike
- ★ Several special structures for different usage
- \star Multiply measurement range and output
- ★ Non-polarity two wire current output

CS-PT400WH

★ CE.UKCA Intrinsically safe type available

Application

Feature

- ★ Deepwater level measurement
- ★ Hydrological monitoring
- ★ Water tank level monitoring
- ★ Water-saving irrigation
- ★ Circulating fluid monitoring
- ★ Water extraction project



Technical Parameters

Parameter		Note			
Measure Range	0~1350mH ₂ O				Customized
Overload Pressure					
Broken Pressure	:				
Accuracy	(±0.				
Zero thermal error	±1%F.S (0-3mH ₂ O, 0~70°C) ±0.75%F.S (-10~80°C)				@25°C
Span thermal error	±1%F.S (0-3mH ₂ O, 0~70°C) ±0.75%F.S (-10~80°C)				@25°C
Long term stability					
Operate Temperature		According to O-ring and cable			
CompensationTemperature					
Media Compatibility	316L staiı				
Seal material	N				
Wires	Two-wire	Three-wire			
Output Signal	4~20mA	0.5-4.5V		0-10V	
Power Supply	12~30Vdc	5Vdc		12~30Vdc	
Load	(U-10)/0.02(Ω)	≥10kΩ			
Supply Current		≤8mA			
Insulation	>100M Ω@50V				
Electrical connector	IP68				
Cable material	PI				
Weight(excluding cable)					
Response Time					
Pressure Form					
Compliant					
EMC					
Surge Immunity	EN:61000-4-5:				
RandomVibration					
Shock	X/Y/Z, 20g, sine 11ms				



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Type Selection Guide

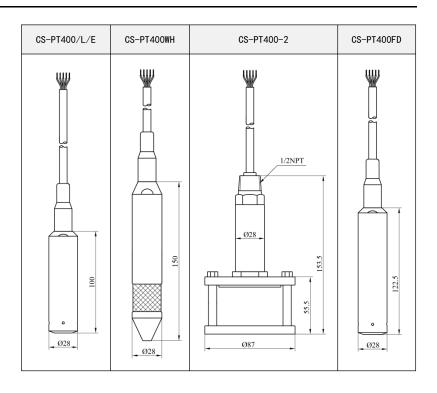
CS-PT400									
Туре)								
-	Universal type	Code	Measurement F	Range					
E	Atex type	001Y	0-1m						
L	Lightning	002Y	0-2m						
WH	Filter nose type	003Y	0-3m						
2	Non-fouling	006Y	0-6m						
FD	Freeze proof	010Y	0-10m						
		050Y	0-50m						
		100Y	0-100m						
		200Y	0-200m						
		350Y	0-350m						
			Code 2	Accuracy					
			5	±0.25%F.S ±0.5%F.S					
				Code	Output Signal				
				А	4~20mA				
				V	0.5~4.5VDC				
				т	$0{\sim}10VDC$				
					Code	Power supply			
					02	5VDC			
					13	12~30VDC			
						Code	Seal Material		
						Ν	NBR		
						Н	HNBR		
						С	CR		
						F	FKM		
						W	Welded structure Code	Cable Material	
							PE	PE	
							PU	PUR	
							F4	FEP	
								Code	Cable
								01	1m
								02	2m
								04	4m
								05	5m
								XX	
CS-PT400	L	003Y	2	А	13	F	F4	05	

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Electrical Connection

	line selen	Line define			
	Line color	Two line	Three line		
	Red	Supply power	Supply power		
	Reu	(U+)	(U+)		
	Green / Blue	Current output (IO)	Voltage output (VO)		
	Black		GND		
	Yellow	Shield (PE)	Shield (PE)		

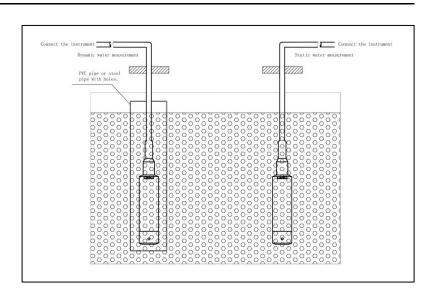
Structure and Dimension (mm)





CS-PT400—Submersible Level Transmitter





Notes

- 1. Only use the pressure sensor to test the medium without corrosion to its housing and seal material.
- 2. Can not use sharp tools to clean the pressure hole when the hole of the pressure sensor is blocked. The pressure sensor shall be removed from the system and put the pressure hole part into the fluid which can dissolve the blocking substance.
- To protect the transmitter used in areas with lightning, suggest adding a lightning protection device and reliably connecting the shield line to EARTH.
- 4. Drop the level transmitter into the container without touching the bottom sediment.
- 5. Please contact the factory if you need anything else.



Disposal methods of hazardous wastes such as waste circuit boards and their components after the end of product life

After the end of the product life, each part shall be distinguished according to the "National hazardous waste list" to determine whether it is hazardous waste. Among them, the waste lithium battery not disassembled is not hazardous waste, and the waste circuit board (including components, chips, plug-ins, pins, etc. attached to the waste circuit board) belongs to hazardous waste.

The part that is not hazardous waste shall be treated as general industrial solid waste, and the lithium battery shall be handed over to the nearby renewable resource recovery department or sent to the product manufacturer for recycling.

Hazardous wastes must be handed over to legally qualified departments for disposal in accordance with national regulations, and shall not be dumped or stacked without authorization. If it is really necessary to store temporarily, protective measures meeting the national environmental protection standards must be taken, and the storage period shall not exceed one year. At the same time, the time and place of temporary storage and the protective measures taken shall be reported to the competent environmental protection department. Hazardous waste transfer activities can be arranged according to the actual production situation. The system shall be strictly implemented in the transfer process

Statement

Chinastar Company. reserves the right to modify the specifications and contents of this instruction. No further notice will be given if any changes are made. Due to product updates, the individual details of this document may not match the product. Please refer to the actual product. The right to interpret this document belongs to Chinastar Company.

