

CS-PT470A Level Transmitter

Features

Silicon resistance sensor
 Output 4-20mA
 Ingress protection IP 68 permanently up to 350m water column
 Over voltage and Reverse protected

 Low cost

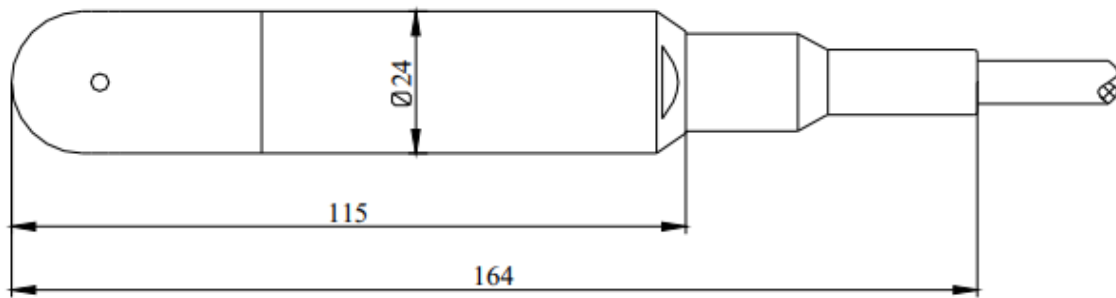
Applications

Level measurement in rivers and lakes
 Deep well and groundwater monitoring
 Level measurement in vessel and storage systems
 Monitoring of sewage, settling and storm-water retention basins


Specifications

Standard range (H2O)	0 – 5m, 0 – 10m
Proof	2x
Accuracy at 25°C	±0.5%F.S (include linearity, hysteresis, repeatability, and calibration error)
Long-term stability.	±0.2%FS/year
Response Time	≤10ms
Operating Temperature	-40°C~85°C
Compensated Temperature	-10°C~70°C
Storage Temperature	-40°C~100°C
Output Signal	4~20mA DC
Supply Voltage	8~28 VDC
Output Load	≤ (U – 8) / 0.02 Ω
Overvoltage	32VDC
Reverse Voltage	-40VDC
Insulate Resistance	≥100MΩ@100VDC
IP Rating	IP68
Random Vibration	10g, 5~2000Hz
Shock	X/Y/Z, 20g, sine 11ms
Drop (any Axis)	1m
Housing material	304 stain steel default, 316L stain steel and Titanium optional
Seal material	NBR O-Ring default, FKM optional
Cable material	PE default, PUR and FEP optional

Structure and Dimension (mm)



Electrical connection

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