

Turbidity / TSS Sensors



Features & Benefits

Potence Controls Turbidity / TSS Sensor use methods of Light Attenuation or Nephelometric Scattering as the measuring principle based on application requirements.

The built-in wiper cleaning system keeps lenses clean. The optical windows are made of hard to scratch sapphire glass. Compact design makes it user friendly which is easy for installation.

Pursuing a balance between required functions and cost and delivering a high level performance.

- Multiple measurement ranges
- Built in Wiper Cleaning System
- Easy to clean Scratch-proof Sapphire glass
- Easy Installation, Simple Operation
- Easy Calibration

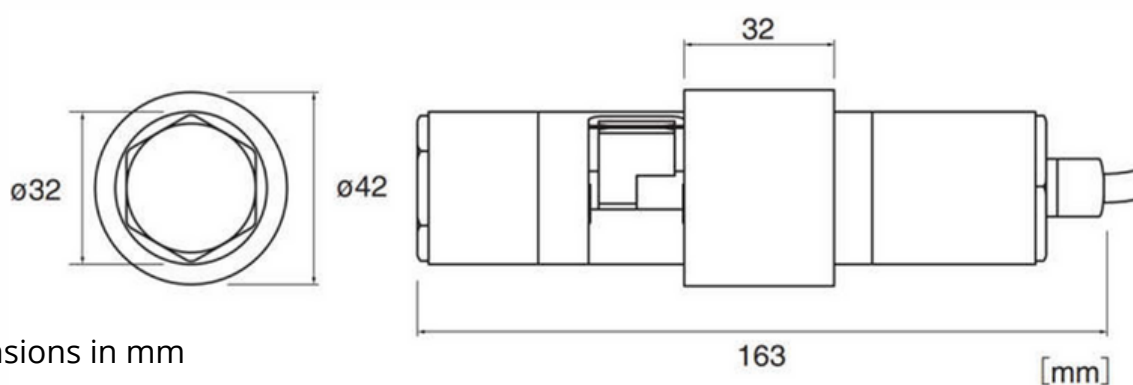
Applications:

- Potable water
- Filter efficiency and backwash
- Surface water - Lakes & Rivers
- Water recycle and discharge
- Sea Water
- Raw Water

Turbidity Sensor Specifications

Model	: PCTU3000A	PCTU3000A-SW (for Sea Water)
Measurement Principle	: 180° Light Attenuation	
Measurement Range	: 0 - 3000 FTU	
Display Resolution	: 0.0 - 99.9 FTU : 0.1 FTU : 100 - 499 FTU : 1 FTU : 500 - 3000 FTU : 5 FTU	
MOC	: SUS316L	SUS329J4L Sapphire glass, Fluorocarbon rubber, EPDM, POM
Cleaning System	: Wiper cleaning system	
Accuracy	: ±2% of Full Scale	
Repeatability	: ±2% of Full Scale	
Operating Temperature	: 0 - 50°C	
Degree of Protection	: IP68, maximum depth of 2 meters	
Sensor Cable Length	: 9m	
Weight	: Approx. 930g	

Dimensional Drawing



All dimensions in mm

Ordering Information

Model Number:

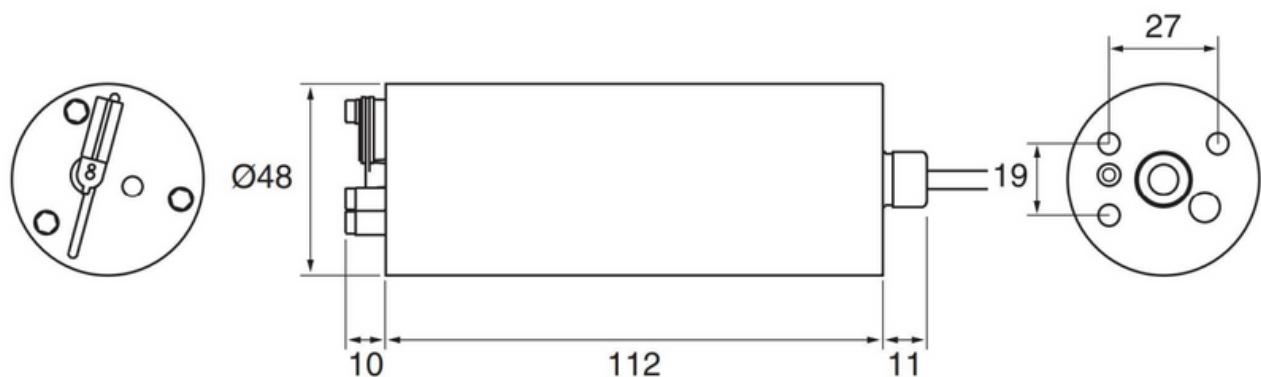
PCTU3000A : Range 0 - 3000 FTU ; SUS316L Body; 9 meter Cable

PCTU3000A-SW : Range 0 - 3000 FTU For Sea Water ; SUS329J4L Body; 9 Meter Cable

Turbidity Sensor Specifications

Model	: PCTU1000S
Measurement Principle	: 90° scattered light method
Measurement Range	: 0 - 1000 NTU
Display Resolution	: 0.00 – 19.99 NTU : 0.01 NTU : 20.0 – 1000.0 NTU : 0.1 NTU
MOC	: SUS316L, Sapphire glass, Fluorocarbon rubber, EPDM, POM
Cleaning System	: Wiper cleaning system
Accuracy	: ±2% of R.S or ±0.5 NTU (whichever is greater)
Repeatability	: ±2% of R.S or ±0.5 NTU (whichever is greater)
Operating Temperature	: 0 - 50°C
Degree of Protection	: IP68, maximum depth of 2 meters
Sensor Cable Length	: 9m
Weight	: Approx. 930g

Dimensional Drawing



All dimensions in mm

Ordering Information

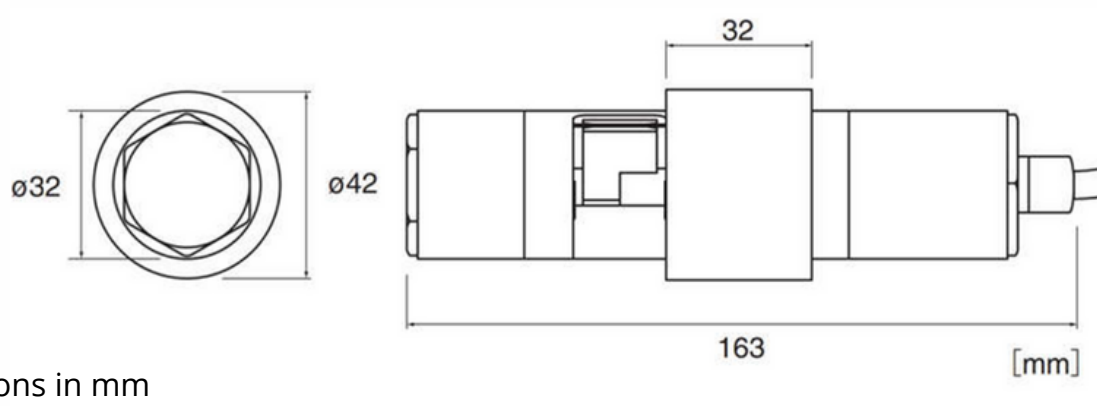
Model Number:

PCTU1000S : Range 0 - 1000 NTU ; SS316L Body; 9 Meter Cable

TSS Sensor Specifications

Model	: PCTS1000A	PCTS1000A-SW
Measurement Principle	: 180° Light Attenuation	
Measurement Range	: 0 - 1000 mg/L	
Display Resolution	: 0.0 – 49.9 mg/L : 0.1 mg/L 50 – 1000 mg/L : 1 mg/L	
	Transparency : 0 – 100 cm: 1 cm	
MOC	: SUS316L	SUS329J4L
	Sapphire glass, Fluorocarbon rubber, EPDM, POM	
Cleaning System	: Wiper cleaning system	
Accuracy	: ±3% of R.S or ±30mg/L (whichever is greater)	
Repeatability	: ±3% of R.S or ±30mg/L (whichever is greater)	
Operating Temperature	: 0 - 50°C	
Degree of Protection	: IP68, maximum depth of 2 meters	
Sensor Cable Length	: 9m	
Weight	: Approx. 930g	

Dimensional Drawing



All dimensions in mm

Ordering Information

Model Number:

PCTS1000A : Range 0 - 1000 mg/L; SUS316L Body; 9 Meter Cable

PCTS1000A-SW : Range 0 - 1000 mg/L For Sea Water ; SUS329J4L Body; 9 Meter Cable

In the interest of improving and updating, PCPL reserves the right to alter specifications at any time.