



# CS - 001

## CONDUCTIVITY SENSOR

### Features

- Accuracy +/-2% F. S.
- Available with 1 / 0.1 / 0.01 Cell Constants
- In-built Auto Temperature compensation through PT-100 RTD sensor upto 150°C
- Suitable for online conductivity / TDS measurement
- A Robust Two-electrode Design
- Minimize Start-up and Installation Time
- A factory-measured cell constant ensures the best accuracy and no initial calibration requirements



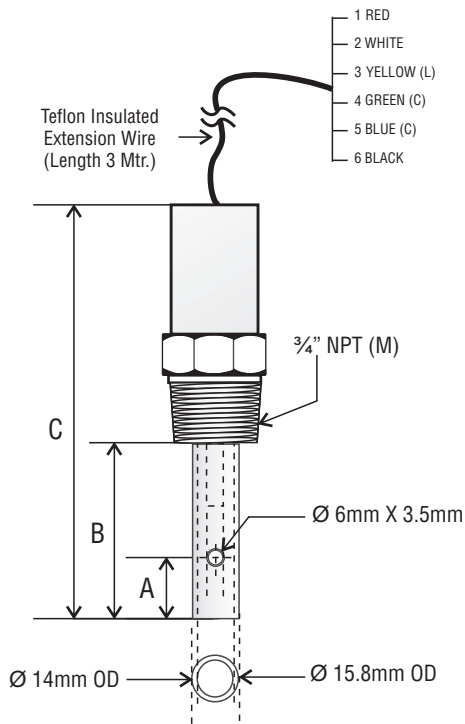
### Description

**E**lectronet series CS-001 are Conductivity Sensors designed for fast, easy and trouble free start up. These are ideal for measuring the concentration of dissolved solids in water. They are provided with an accurate pre-determined factory calibration constants. Rugged design and corrosion resistant material keep electrode spacing and surface area constant so cell constant remain stable for long period. Durability of material and high resistance to corrosion ensures the long life and require low maintenance.

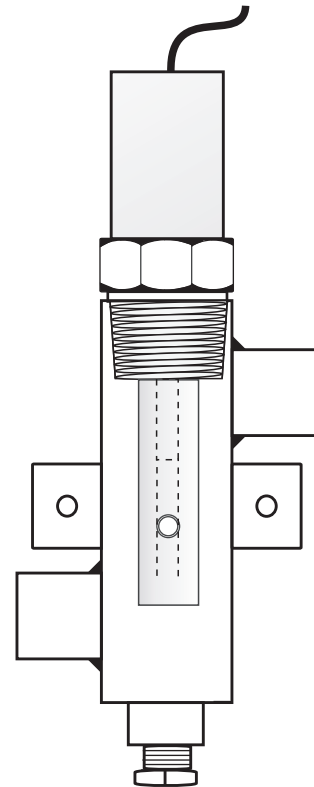
### Technical Specifications

Cell Constant	1 / 0.1 / 0.01
Measuring Range	1) 2 to 100 $\mu$ S/cm for cell constant 0.01
	2) 20 to 1000 $\mu$ S/cm for cell constant 0.1
	3) 200 to 10000 $\mu$ S/cm for cell constant 1
Accuracy	+/- 2% F. S.
Process Temperature Range	0 to 150 °C
Maximum Pressure	10 kg/cm <sup>2</sup>
Probe MOC	SS316L
Process Connection	1) 3/4" BSP Threaded
	2) 3/4" NPT Threaded
	3) 1" ASA 150 Flanged
	4) 1" Triclover
Insertion Length	Less than 150 mm
Mounting	Insertion
Sensor Cable Length	5 to 15 Meters (Additional on request)
Temperature Compensation Sensor	RTD PT-100
Weight	Less than 0.5 kg
<b>ACCESSORIES ( Optional)</b>	
Auto Cleaning System	SS316
Flow Through Assembly	SS316
Certification	<b>CE</b>

Dimensional Drawing



Installation Drawing



Dimensional Table

Sensor Configuration	A		B		C	
	Inch	mm	Inch	mm	Inch	mm
0.01/cm	1.59	40.39	1.98	50.34	4.52	114.8
0.1/cm	0.687	17.45	1.11	28.15	3.65	92.71
1.0/cm	0.667	16.94	1.13	28.70	3.67	93.22

Ordering Information

Sample Order Code : B3 I1 O2 Q2 R2

Parameter	Code	Description
B	B3	Conductivity (Cell Constant 0.01)
	B4	Conductivity (Cell Constant 0.1)
	B5	Conductivity (Cell Constant 1)
I	I1	RTD PT-100
	IY	Other
	IX	NA
O	O1	3/4" BSP Threaded
	O2	3/4" NPT Threaded
	O3	1" ASA 150 Flanged
	O4	1" Triclover

Parameter	Code	Description
Q	Q1	5 Meter
	Q2	10 Meter
	Q3	15 Meter
	QY	Other
R	R1	Fixed Cable
	R2	Terminal Head
	R3	Detachable Connector

Note : • Due to our continuous product revisions, design specification and model numbers are subject to change without notice.  
 • Accuracy defined at Lab Conditions.  
 • For other requirement please consult factory.

ELECTRONET EQUIPMENTS PVT. LTD.

Factory Address:

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