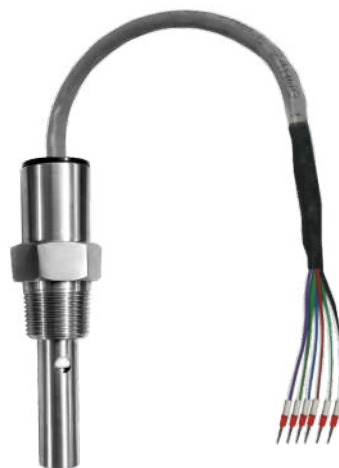


## Features

- 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
- A factory-measured cell constant ensures the best accuracy



## Description

Electronet 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

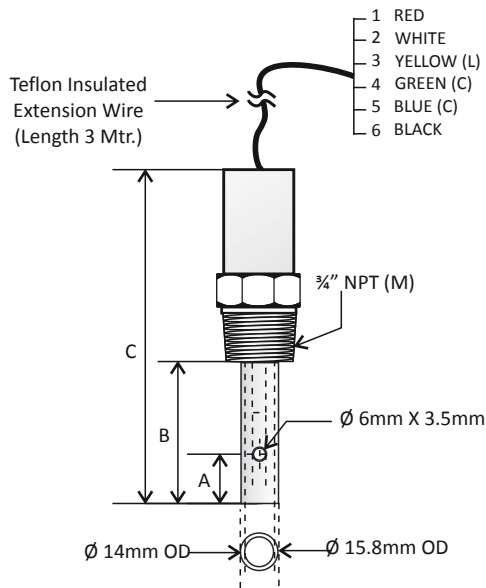
|                                 |                                                             |
|---------------------------------|-------------------------------------------------------------|
| Cell Constant                   | 1 / 0.1 / 0.01                                              |
| Measuring Range                 | 1) 2 to 100 $\mu\text{S}/\text{cm}$ for cell constant 0.01  |
|                                 | 2) 20 to 1000 $\mu\text{S}/\text{cm}$ for cell constant 0.1 |
|                                 | 3) 200 to 10000 $\mu\text{S}/\text{cm}$ 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) ¾" BSP Threaded                                          |
|                                 | 2) ¾" 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                   | CE                                                          |

# CS 001

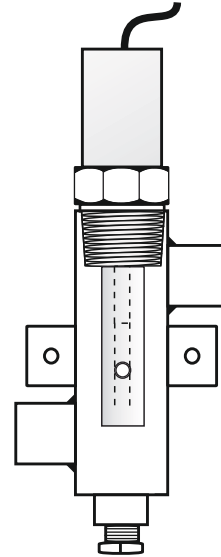
CONDUCTIVITY SENSOR



## Assembly Overview



## Installation Details



## 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 : CS 001-B3-I1-O2-Q2-R2

| Parameter | Code                     | Description                          |
|-----------|--------------------------|--------------------------------------|
| A         | Input 1                  | A1 Conductivity (Cell Constant 0.01) |
|           |                          | A2 Conductivity (Cell Constant 0.1)  |
|           |                          | A3 Conductivity (Cell Constant 1)    |
| B         | Temperature Compensation | B1 RTD PT-100                        |
|           |                          | BY Other                             |
|           |                          | BX NA                                |
| C         | Process Connection       | C1 3/4" BSP Threaded                 |
|           |                          | C2 3/4" NPT Threaded                 |
|           |                          | C3 1" ASA 150 Flanged                |
|           |                          | C4 1" Triclover                      |

| Parameter | Code                    | Description             |
|-----------|-------------------------|-------------------------|
| D         | Sensor Cable Length     | D1 5 Meter              |
|           |                         | D2 10 Meter             |
|           |                         | D3 15 Meter             |
|           |                         | DY Other                |
| E         | Cable Connection Method | E1 Fixed Cable          |
|           |                         | E2 Terminal Head        |
|           |                         | E3 Detachable Connector |

Note : ■ Due to our continuous product revisions, design specification & model numbers are subject to change without notice.  
■ Accuracy defined at Lab Conditions.  
■ For other requirement please consult factory.  
■ This product is meant for laboratory/Process application only and not for custody transfer application.

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