Model 15 Conductivity Sensor for High Purity Water

Features

- Calibrated Cell Constant for Greater Accuracy
- Polished Electrode Surfaces for Easy Cleaning
- Steam Sterilizable to 140°C (284°F)
- Enclosure Rating IP67 (NEMA 6) Waterproof



Applications

- Ultrapure and Pure Water
- Demineralizers
- Reverse Osmosis
- Water for Injection (WFI) USP 24
- Wafer Rinsing
- Boiler Water

Description

The Model 15 Conductivity Sensor is specifically designed for high purity water applications. Each sensor is calibrated and the cell constant is recorded on the sensor. This cell constant is then entered into the conductivity transmitter. Precise cell constants provide greater measurement accuracy in critical high purity water applications.

Specifications

Measuring Range	Cell Constant 0.01/cm; 0.04 to 20 µS/cm Cell Constant 0.1/cm; 0.1 to 200 µS/cm
Temperature Sensor	Pt100, 3 Wire
Temperature Rating	Nominal 120°C (248°F) (Suitable for 30 minute Steam Sterilizable Cycles @ 140°C)
Pressure Rating	12 bar @ 20°C (174 psi @ 68°F)
Process Connections	¾" MNPT
Recommended Flow Rate	30 l/h (8 gal/hr.)
Electrodes	316L Stainless Steel Surface Finish R_a < 0.4um
Shaft Material	PES (Polyethersulfone)
Enclosure Rating (Waterproof)	IP67 (NEMA 6)

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Ordering Information

Model	Description
M – 15 – A	0.01 Cell Constant (0.04 to 20 µS/cm)
M – 15 – B	0.1 Cell Constant (0.1 to 200 µS/cm)
Code	**Description**
1M	¾" MNPT Process Connection
Code	**Description**
2	5.0 m (16.4 ft.) Fixed Cable
3	10.0 m (32.8 ft.) Fixed Cable
Code	**Description**
A	Pt 100 Temperature Compensator
M – 15 – A – 1M - 2 - A	**Order Number Example**

Dimensions

