

## Conductivity Sensor / CELL (Range: 0.01, 0.1, 1.00)



Our Conductivity/Resistivity sensors are designed to provide versatile installation and accurate sensing across a very broad dynamic range.

Coupled with our meters a range with  $\pm 2\%$  of reading accuracy is achieved without the need for troublesome sensor platinization. Standard wiring allows connection without costly "patch cords."

### Features:

- Flow-through design eliminate bubble entrapment or sediment build-up
- Controlled surface finish ensures accuracy and repeatability
- Removable/reversible sensor fitting design
- Built-in strain relief
- Proper electrode clearance reduces possible DI resin or particle entrapment, critical with 0.01 cell designs
- In-line or submersible mounting
- PTFE insulator

### Technical Specifications:

O-rings:	Silicon.
Insulator material:	Epoxy resin, PTFE
Electrodes:	316 Stainless Steel or Titanium
Pressure Rating:	
Std. Polypro fitting:	6.9 bar (100 psi) @ 100°C (212 °F)
Opt. 316 SS fitting:	13.8 bar (200 psi) @ 120°C (248 °F)
Sanitary Connection:	6.9 bar (100 psi) @ 120°C (248°C)
Cable Length:	3 meter (std.)
Sensor weight:	600 gm (approx.)
Conductivity range:	
For 0.01 Cell	0.055 - 100 $\mu\text{S}/\text{Cm}$
For 0.10 Cell	1 - 1000 $\mu\text{S}/\text{Cm}$
For 1.00 Cell	10 - 10000 $\mu\text{S}/\text{Cm}$

CONDUCTIVITY  
TDS METERS

### Application:

- Pure Water Treatment
  - \* Reverse Osmosis
  - \* De-ionization
  - \* Distillation
- Boiler Condensate
- Semiconductor Water Production
- Rinse water monitoring and control
- Chemical Concentrations
- Cleaner and Degreaser Concentrations
- TDS
- Salinity
- USP Purified Water and WFI Water Production

### \* Installation Tips:

- Select a sensor location free of air bubbles and sediment buildup.
- Conductivity measurements are adversely affected by substances that coat the electrodes.

