

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



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

Coupled with VATS 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 microS/Cm
For 0.10 Cell	1 - 1000 microS/Cm
For 1.00 Cell	10 - 10000 microS/Cm

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

Conductivity Meter CT-10 & CT-11



The VATS mhoCounter is yet another step forward to deliver convenience & to the point technology in a compact package. With our experience of a wide range of installations, we came out with easy to fit conductivity / TDS meters. The mhoCounter CT-10 is a conductivity indicator & mhoCounter CT-11 is the meter with relay output option, which is programmable. Microprocessor based electronics allow wide operating range and long term signal stability. Optional relays provide control for adjustment or alarms. Also the meter comes with saddle mounting option or standard fittings to adopt to any process flow solution.

Features:

- Easy installation options (clamp-on saddle / adaptor)
- Display in microS/CM, ppm (TDS)
- Relay options
- Customized 4 digit LCD
- Weather proof enclosure
- Tactile keys on front panel
- Easy programming with front panel keys
- Branded meter at the most economic price.
- Clearly marked terminal labels

Technical Specifications:

Function	Conductivity & TDS indication & relay output
Accuracy	+/- 2% of F. S. D.
Meter Dimensions	111 x 106 x 68 mm
Display	4 Digit Customized LCD
Mounting	On line type vertical or horizontal
Installation	Solventable T or Clamp-on Saddle
Protection	Weatherproof Enclosure
Programming	Through front panel keys.
Power Supply*	Universal 70V AC to 270V AC SMPS
Standard Fittings	(1/2", 1", 1 1/2") T; (2", 2 1/2", 3", 4") saddle.

Installation Tips:

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

