

CONDUCTIVITY PROBE SENSOR



FEATURES & BENEFITS

- Four electrodes technology
- Measures conductivity and salinity
- Operator friendly, low maintenance design
- Range for wastewater to high purity applications
- Ultra-low power requirements
- Robust submersible probe

OVERVIEW

Real Tech's conductivity sensor provides rapid real-time measurement of conductivity and salinity in water or wastewater. The sensor's measurement is based on the use of 4 electrodes. An alternating current of constant voltage is established between the graphic pair of electrodes. The voltage measured between these electrodes is a function of resistance, and therefore, conductivity. The platinum electrodes regulate voltage to prevent fouling of the graphic electrodes. This robust sensor can be used in multiple applications.

MODELS

PRODUCT #	NAME	DESCRIPTION
CON1000	Real Conductivity Probe Sensor	0 to 200 mS/cm in 4 ranges: 0-200 μ S/cm, 0-2000 μ S/cm, 0-20 mS/cm, 0-200 mS/cm

Includes sensor, 50 ft communication cable, and manifold (unless purchased with pole mounting kit). Controller and automatic cleaning system sold separately.

MUNICIPAL DRINKING WATER
MUNICIPAL WASTEWATER
COASTAL WATER
INDUSTRIAL WASTEWATER

SPECIFICATIONS

CHARACTERISTIC	TECHNICAL DATA
Model #	CON1000
Measurement Principle	Conductivity sensor with 4 electrodes (2 graphic, 2 platinum)
Range	0 to 200 mS/cm in 4 ranges (0-200 μ S/cm, 0-2000 μ S/cm, 0-20 mS/cm, 0-200 mS/cm)
Resolution	From 0.01 to 1, according to the range
Accuracy	+/- 1% of the full range
Response Time	< 5 s
Operating Temperature	0 – 50°C
Temperature Compensation	NTC thermistor
Measurement Refresh Rate	< 1 second maximum
Dimensions	Diameter: 27 mm, Length (not including cable): 157 mm
Materials	PVC, DELRIN, stainless steel
Maximum Pressure	70 PSI
Electrical/Communication	From controller
Operating Temp.	0°C to 50°C (32 to 122°F)
Storage Temp.	-10°C to 60°C (14 to 140°F)
Weight	1 lb
Warranty	2-year limited warranty

* Technical Specifications are subject to change without notice.

Real Tech Inc.

1150 Champlain Court,
Whitby, Ontario L1N 6K9 Canada
TF: 1.877.779.2888 T: 1.905.665.6888
info@realtechwater.com

REALTECH
INC.