



Water Quality Analysers



ConductiSense - Online Conductivity Meter

The ConductiSense range of Conductivity meters from Pi utilise the very latest and best conductivity sensors available in the world today for measuring the conductivity from 0 to 2,000,000 uS/cm (range selectable) . You can chose between a standard graphite sensor and a more sophisticated toroidal sensor, or stainless steel boiler specific sensors.

Low purchase cost

Low cost of ownership

Resists coating, corrosion and fouling

Durable Noryl construction

Easy installation

Custom tee for in-line mounting



The ConductiSense sensors and accessories are available with different controllers giving you the same great performance with different communication, display, and control options. With the ConductiSense range of Conductivity Monitors, you get everything that you need - and nothing that you don't.

CRONOS® ConductiSense



- High Quality and Multilingual
- Lowest Purchase Cost
- Mix and match sensors
- Up to 3 sensors
- Options include:
 - up to 3 4-20mA outputs
 - up to 4 alarm relays (solid state or mechanical)
 - Modbus TCP/ASCII/RTU
 - Profibus DP
 - HART
 - PID control
 - flow switch input
 - optical isolation for I/O

CRIUS® ConductiSense



- High Quality and Multilingual
- Low Cost
- Colour Display and Keypad
- Sophisticated Comms and Control
- Mix and match sensors
- Up to 6 sensors
- Datalogging
- All CRONOS® options plus:
 - texting alarms
 - remote internet access

CRATOS ConductiSense



- High Quality and Multilingual
- Medium Cost
- Colour Touchscreen
- Mix and match sensors
- Datalogging
- Up to 12 sensors
- All CRONOS® and CRIUS® options plus:
 - lowest cost per point

For more information please see the individual brochure - CRONOS®, CRIUS® and CRATOS

find us at www.processinstruments.net

Principle of Operation

Graphite

Our light industrial conductivity sensor utilises Graphite technology. The durable epoxy body construction provides a rugged and dependable sensor for potable water and clean water. Mount them in-line, in a pipe "T" fitting, or submerge them into a tank. For many applications, the epoxy body conductivity sensors are the lowest cost, most reliable conductivity sensor to use, especially for process applications. Rugged epoxy bodies make the sensors virtually unbreakable. These are an excellent choice to use as standard online conductivity electrodes in the water and related industries.



Toroidal

The toroidal inductive conductivity sensors features a wide measurement range and dependable toroidal technology over the range 0-2,000,000uS/cm . Resistant to corrosion, coatings and fouling common to contacting conductivity sensors, this probe is designed for a trouble free and long service life. Noryl is the standard material of construction and has a wide solvent tolerance and temperature stability to 105 degrees C. All models can be submersed by utilizing the 3/4" MNPT threads on the sensor or installed in 2" NPT tees for in-line deployment. A temperature sensor is built into the conductivity sensor for automatic temperature compensation.



Specification

Standard Epoxy Sensor

Type:	Graphite
Measuring range:	All ranges from 0 – 199.9 mS/cm
Cell Constants:	k=0.1
Measuring Surface:	Graphite
Body Material:	Epoxy
Max Temperature:	70 Degrees C
Max Pressure:	7.5 Bar
Temp Comp:	Optional
Cable:	22 AWG 2-wire or 4-wire, for temperature compensated type. 6 m standard unless otherwise specified



Specification

Advanced Toroidal Sensor

Type:	Toroidal
Measuring Range:	Min 0-20uS; max 0-2,000,000uS selectable
Body Material:	Noryl
Max Temperature:	105 Degrees C
Max Pressure:	10 Bar
Temp Comp:	Optional
Cable Length :	6 meters, 6 conductor plus shields
Process Connection :	3/4" MNPT for submersion, 2" standard tee with adapter



everything you need, and nothing you don't
find your local supplier at www.processinstruments.net

