



3725 Inductive Conductivity Sensor, Convertible, Polypropylene Body Material

Product #: ZAR Price: Ships within 1 week 3725E2T

Contact Hach

Sensor with convertible body style, Polypropylene, immersion or flow-through probe works with analogue controller or optional with SC controller by AD3700 digital gateway.

Wide Measuring Range

Hach's Inductive Conductivity Sensors measure 200 up to 2,000,000 microSiemens/cm. A built-in PT1000 RTD compensates the measured conductivity for changes in process temperature.

Low Maintenance Design

The inductive sensor design eliminates polarization and electrode coating problems that commonly affect conventional contacting electrodetype conductivity sensors.

Versatile Mounting Styles

Sensors can be installed using a choice of four mounting styles—immersion, insertion, union, and sanitary.

Principle of Operation

Inductive conductivity sensors induce a low current in a closed loop of solution, then measure the magnitude of this current to determine the solution's conductivity. The conductivity analyser drives Toroid A, inducing an alternating current in the solution. This current signal flows

in a closed loop through the sensor bore and surrounding solution. Toroid B senses the magnitude of the induced current which is proportional to the conductance of the solution. The analyser processes this signal and displays the corresponding reading.

Withstands Harsh Environments

The inductive sensor is available in sanitary (CIP) flange style and convertible styles in PFA, polypropylene, PEEK, and PVDF material. Selected sensors can withstand high pressures and temperatures.

Specifications

0.01 % of reading, all ranges
Polypropylene
Polypropylene
6 m (20 ft)
4.44 cm ⁻¹
Rate 3 m (10 ft.) per second, maximum
127 mm
Sensor Body: Polypropylene (PP)
200 µS/cm - 2000000 mS/cm
Convertible
-10 - 100 °C (Sensor - limited by body material)
6.9 bar at 100 °C
Polypropylene and PVDF Sensors:

	to 150 °C (302°F); 6 m (20 ft.) long
Sensor Immersion Depth:	79.2 mm
Sensor Type :	Analog
Temperature Sensor :	Temperature Compensator Pt 1000 RTD
Warranty:	12 months
Wetted Materials:	Polypropylene, PVDF, PEEK® or PFA®
What's included?:	Includes: sensor with 6 m (20 ft) cable and manual

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