



Digital Sanitary Inductive (Electrodeless) Conductivity Sensor with Polypropylene Body Material

Product #: D3705E2T
ZAR Price: Contact Hach
Call for ship date

Innovative technology eliminates polarization and electrode coating problems in harsh environments.

Polypropylene, Sanitary (CIP) Flange Mounting Style, 6m (20 ft) Analog Cable, Electrodeless Conductivity Sensor, includes 6120800 Digital Gateway for Connecting to sc Controller and a 6122400 1m (3 ft) Digital Extension Cable

Wide Measuring Range

Hach's Inductive Conductivity Sensors measure 200 up to 2,000,000 microSiemens/cm. A built-in Pt 1000 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 electrode-type conductivity sensors.

Versatile Mounting Styles

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

Withstands Harsh Environments

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

Hach sc Digital Controllers and Communications Protocols

The sc controller family allows you to receive data from up to eight Hach digital sensors in any combination using a single controller. Available communications include analog 4-20 mA, digital MODBUS (RS485 and RS232) or Profibus DP protocols. (Other digital protocols are also available.) A built-in data logger collects

Specifications

Accuracy:	± 0.01 % of reading, all ranges
Body Material:	Polypropylene
Cable Length:	6 m fixed cable + 1 m digital cable
Flow:	Rate 3 m (10 ft.) per second, maximum
Material:	Polypropylene
Measuring range:	200 µS/cm - 2000 mS/cm
Mounting:	Sanitary
Operating temperature range:	-10 - 200 °C
Pressure Range:	Up to 200 psig at 150°C (302°F); limited only by sensor body material and mounting hardware
Sensor Cable:	Polypropylene and PVDF Sensors: 5 conductor (plus two isolated shields) cable with XLPE (cross-linked polyethylene) jacket; rated to 150 °C (302°F); 6 m (20 ft.) long

Sensor Type :	Digital
Temperature Sensor :	Temperature Compensator Pt 1000 RTD
Warranty:	12 months
Wetted Materials:	Polypropylene, PVDF, PEEK® or PFA®
What's included?:	Includes: sensor with cable, digital gateway, extension cable and manual

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Required Accessories

- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 100-240 VAC, US plug (Item LXV525.99E11551)
- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 100-240 VAC, without power cord (Item LXV525.99A11551)
- SC4500 Controller, Prognosys, 5x mA Output, 1 digital Sensor, 100-240 VAC, without power cord (Item LXV525.99A11501)
- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 24 VDC, without plug (Item LXV525.99Z11551)