



Digital Inductive Conductivity Sensor, Sanitary body style

Product #: D3727E2T
ZAR Price: Contact Hach
Ships within 3 days

PEEK, Convertible Mounting Style, 6m (20ft) Analog Cable, Electrodeless Conductivity Sensor, includes 6120800 Digital Gateway for Connecting to sc Controller and a 6122400 1m (3ft) 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.

Principal 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 analyzer 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 analyzer 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. Select sensors can withstand high pressures and temperatures.

Specifications

Accuracy:	± 0.01 % of reading, all ranges
Body Material:	PEEK
Cable Length:	6 m fixed cable + 1 m digital cable
Flow:	Rate 3 m (10 ft.) per second, maximum
Material:	PEEK
Measuring range:	200 µS/cm - 2000 mS/cm
Mounting:	Convertible
Operating temperature range:	-10 - 200 °C
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

What's included?

Includes: sensor with cable, digital gateway, extension cable and manual

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)