Digital Sanitary Inductive, Electrodeless Conductivity Sensor for Low pH applications, PVDF Body Material

Product #: **D3706E2T**

NZD Price (Incl. GST): Contact Hach
Not in stock - ships within 4-6 weeks

PVDF, 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.

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
Cable Length:	22 ft
Flow:	Rate 3 m (10 ft.) per second, maximum
Material:	PVDF
Mounting:	Sanitary
Operating temperature range:	-10 - 200 °C
Range:	From 200 - 2000000 microSiemens/cm up to: microSiemens/cm
Sensor Cable:	Polypropylene and PVDF Sensors: 5 conductor (plus two isolated shields) cable with XLPE (cross-linked polyethylene) jacket; rated to 150 °C (302ºF); 6 m (20 ft.) long
Temperature Sensor:	Temperature Compensator Pt 1000 RTD
Wetted Materials:	Polypropylene, PVDF, PEEK® or PFA®

What's in the box?

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

Required Accessories

- SC200 Universal Controller: 100-240 V AC with two digital sensor inputs and two 4-20 mA outputs (Item LXV404.99.00552)
- SC200 Universal Controller: 100-240 V AC with two digital sensor inputs, Modbus RS232/RS485 and two 4-20 mA outputs (Item LXV404.99.01552)