General Purpose Contacting Conductivity Sensor, PPS Body, Low Conductivity (k=0.5)

Product #:   **3433B8A**

AED Price: Contact Hach
Ships within 1 week

Ultimate accuracy from ultra-pure to high conductivity applications.

Contacting conductivity sensor with a nominal cell constant k = 0.5 cm^{-1}, ¾-inch male NPT threaded PPS body, 6 m analogue cable, and graphite electrode.

Measuring range 0 - 1000 µS/cm, 0,001 - 20 MΩ.

High Performance Design
These sensors are manufactured to exacting tolerances using high quality, rugged materials for demanding applications including ultra-pure water, clean-in-place (CIP), and boiler/condensate monitoring. Each sensor is tested to determine its unique, absolute four-digit cell constant. Also, each sensor has a PT1000 RTD temperature element built into its tip for exceptionally fast response to changes in temperature with ±0.1 ºC accuracy.

Resistivity and Conductivity Measurement Capability
These enhanced performance sensors measure from theoretically pure water (0.057 µS/cm or 18.2 MΩ) up to 200,000 µS/cm. Hach's sc Digital Controllers accept multiple digital sensor inputs, and can be user-set to measure conductivity, resistivity,TDS, salinity, or one of six calculated measurements.

Versatile Mounting Styles
Non-Metallic General Purpose Sensors have graphite electrodes and ¾-inch male NPT threaded PPS bodies. Mount into a standard ¾-inch pipe tee, 1-½-inch Hach union hardware (for cell constant k=10 sensor only), or fasten onto the end of the pipe.

Full-Featured "Plug and Play" Hach sc Digital Controllers
There are no complicated wiring or set up procedures with any Hach sc controller. Just plug in any combination of Hach digital sensors and it's ready to use—it's "plug and play."

Specifications

Accuracy:	±2 % of reading above 200 µS/cm
Cable length:	20 6-wire cable (4 conductors and two isolated shield wires)
Cell constant:	0.5 cm^{-1}
Diameter:	32.5 mm
Digital Gateway:	None
Flow:	0 - 3 m/s
Immersion depth:	114.3 mm pipe mount
Installation style:	General purpose
Junction box:	None
Length:	134.6 mm
Material (electrode):	Graphite
Measuring range:	0.001 - 20 MΩ

Operating temperature range:	-20 - 200 °C
Pressure range:	6.8 bar at 150 °C (when used with hardware, a lower rated mounting hardware or piping material may
	limit the temperature
	and pressure ratings)
Repeatability:	±0.5 % of reading
Response time:	< 30 s
Sensitivity:	±0.5 % of reading
Sensor thread:	¾" NPT at both ends
Sensor type :	Analog
Temperature measurement range:	-20 - 200 °C
Temperature sensor:	Pt1000 RTD
Transmission distance:	100 m maximum;
	1000 m maximum, when used with a termination box
Warranty:	24 months
What's included?:	Includes: sensor with 6 m (20 ft) cable and manual

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Required Accessories

- 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)