General Purpose Contacting Conductivity Sensor, PPS Body, High Conductivity (k=10.0)

Product #: **3433E8A**

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 = 10.0 cm^{-1}, ¾-inch male NPT threaded PPS body, 6 m analogue cable, and graphite electrode.

Measuring range 0 - 200000 µS/cm.

High Performance Design
These enhanced performance 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. Simply key in this constant (Hach's easy DRY-CAL™ method) when configuring the analyzer to ensure the highest possible measuring accuracy. Also, each sensor has a Pt 1000 RTD temperature element built into its tip for exceptionally fast response to changes in temperature with ±0.1ºC 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
Compression fitting sensors—Feature titanium electrodes and a compression fitting for universal installation with up to 4 inches (102 mm) insertion depth. The 1/2-inch or 3/4-inch male NPT compression fittings are offered in Kynar® (PVDF) or 316 stainless steel. A longer version of this sensor is

available for use with a 316 stainless steel ball valve hardware assembly to insert/retract the sensor from the

process without stopping the flow. The longer version can also be used for insertion through a compression fitting. Maximum insertion depth is 7 inches (178 mm).

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:	10 cm^{-1}
Diameter:	32.5 mm
Digital Gateway:	None
Flow:	0 - 3 m/s maximum, fully immersed

Immersion depth:	114.3 mm pipe mount
Installation style:	General purpose
Junction box:	None
Length:	134.6 mm
Material (electrode):	Graphite
Measuring range:	0 - 200000 µS/cm
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 after step change
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)