



## Sanitary (CIP) Contacting Conductivity Sensor, Low Conductivity (k=0.05)

**Product #:** 3455A6A  
**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  $k = 0.05 \text{ cm}^{-1}$ , Sanitary (CIP) 1-½-inch flange, 6 m analogue cable, and 316 stainless steel electrode.

Measuring range 0 - 100  $\mu\text{S/cm}$ , 0.002 - 20  $\text{M}\Omega$ .

#### 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  $\pm 0.1^\circ\text{C}$  accuracy.

#### Resistivity and Conductivity Measurement Capability

These enhanced performance sensors measure from theoretically pure water (0.057  $\mu\text{S/cm}$  or 18.2  $\text{M}\Omega$ ) up to 200,000  $\mu\text{S/cm}$ . 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

Sanitary clean in place (CIP) style sensors have 316 stainless steel electrodes and an integral 1-1/2-inch or 2-inch flange. These sensors can be installed using standard sanitary mounting hardware.

#### 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."

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### Specifications

Accuracy:	$\pm 2 \%$ of reading above 200 $\mu\text{S/cm}$
Cable length:	20
Cell constant:	0.05
Digital Gateway:	None
Installation style:	Sanitary flange
Junction box:	None
Material (electrode):	316 SS
Measuring range:	0.002 - 20 $\text{M}\Omega$
Pressure range:	0 - 300 psi (20.7 BAR)
Repeatability:	$\pm 0.5 \%$ of reading
Response time:	30 s of step change

Sensitivity:	±0.5 % of reading
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 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)