



## Contacting, Conductivity Analog Sensor, Cell Constant 0.5, 3/4" NPT

Product #: 3422B3C

**OBSOLETE ITEM**  
This item is no longer available.

Nominal Cell Constant (K) = 0.5, 3/4 inch NPT PVDF Compression Fitting, Aluminum Junction Box with 3/4" NPT Conduit Connection - Requires 1W1100 Interconnect Cable, Titanium Electrode

### 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. 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 ( $0.057\ \mu\text{S}/\text{cm}$  or  $18.2\ \text{M}\Omega$ ) up to  $200,000\ \mu\text{S}/\text{cm}$ . Hach's Digital SC 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 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.”

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## Specifications

Cable Length:	6 m
Cell constant k:	$0.5\ \text{cm}^{-1}$
Digital Gateway:	Aluminium with 3/4" conduit connection
Electrode Material:	Titanium
Installation style:	Compression
Junction box:	Aluminium
Material:	Compression Fitting: 3/4" NPT PVDF
Measuring range:	0 - $1000\ \mu\text{S}/\text{cm}$
Sensor Type :	Analog
Warranty:	12 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, 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)