



Conductivity Sensor, k=0.05, Stainless Steel-T, 6 m Cable

Product #: 3422A5A
ZAR Price: Contact Hach
Ships within 1 week

Nominal Cell Constant $k = 0.05 \text{ cm}^{-1}$, Extended Sensor Body with 316 Stainless Steel Outer Electrode, Requires 316 SS Ball Valve Assembly MH113M2C, 6 m (20 ft) Analogue 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 PT1000 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 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 $\frac{1}{2}$ " or $\frac{3}{4}$ " 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.”

Specifications

| | |
|---------------------|--|
| Cable Length: | 6 m |
| Cell constant k: | 0.05 cm^{-1} |
| Digital Gateway: | None |
| Electrode Material: | Titanium |
| Installation style: | Compression |
| Junction box: | None |
| Material: | None |
| Measuring range: | 0 - $100 \mu\text{S/cm}$ |
| 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)