



Be Right™



Digital Contacting Conductivity Sensor for low conductivity (k=0.05) with 1/2" Stainless Steel Compression Fitting

Product #: D3422A2
NZD Price (Incl. GST): Contact Hach
Not in stock - ships within 4-6 weeks

Ultimate accuracy from ultra-pure to high conductivity applications.

Nominal Cell Constant (K) = 0.05, 1/2 inch NPT 316 Stainless Steel Compression Fitting, 7m (23ft) Digital 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. 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 ±0.1°C 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" sc100 Digital Controller

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: | Standard Probe Cable Length (integral) Digital Probe: 7 m (23 ft.) |
| Cable Length 2: | 6 m |
| Flow: | 0 - 3 m/s (0-10 ft./s), maximum, fully immersed |
| Operating temperature range: | -20 - 200 °C |
| Pressure Range: | 0 - 300 psi (20.7 BAR) |
| Repeatability: | ± 0.5 of reading |
| Response time: | 90 % of reading within 30 seconds of step change |
| Sensitivity: | ± .05 % of reading |
| Sensor Cable: | Digital: PUR (polyethylene) 5-conductor, shielded, rated to 150°C (302°F) |
| Temperature Compensation: | Temperature Compensator: Pt 1000 RTD |
| Temperature Measurement: | -20 - 200 °C (-4 - 392°F) |

Transmission Distance:

100 m (328 ft.), maximum

What's in the box?

Includes: sensor with cable and manual

Required Accessories

- SC200 Universal Controller: 100-240 V AC with two digital sensor inputs and two 4-20 mA outputs (Item LXV404.99.00552)
- SC200 Universal Controller: 100-240 V AC with two digital sensor inputs, Modbus RS232/RS485 and two 4-20 mA outputs (Item LXV404.99.01552)