



3400 Digital Contacting Conductivity Sensors

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.

The 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 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.

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).

Part Number	Cell constant k	Installation style	Junction box	Material	Cable length	GBP Price
D3422A1.99	$0.05\ \text{cm}^{-1}$	Compression			7 m	Contact Us
D3422A2.99	$0.05\ \text{cm}^{-1}$	Compression			7 m	Contact Us
D3422B3.99	$0.5\ \text{cm}^{-1}$	Compression			7 m	Contact Us
D3422D3.99	$5.0\ \text{cm}^{-1}$	Compression			7 m	Contact Us
D3422E3.99	$10\ \text{cm}^{-1}$	Compression			7 m	Contact Us
D3433B8.99	$0.5\ \text{cm}^{-1}$	General purpose			Standard cable length (integral) digital sensor: 6 m	Contact Us
D3444B8.99	$0.5\ \text{cm}^{-1}$	Boiler/Condensate			Standard cable length (integral) digital sensor: 6 m	Contact Us
D3455A6.99	$0.05\ \text{cm}^{-1}$	Sanitary flange			Standard cable length (integral) digital sensor: 6 m	Contact Us