



Digital 1.0 Cell constant, sanitary style sensor

Product #: D3455A6
ZAR Price: Contact Hach
Ships within 1 week

Nominal Cell Constant (K) = 0.05, Sanitary (Cip) 1-1/2 Inch Flange, 6M (20 ft) Analog Cable, 316 Stainless Steel Electrode, Includes Digital Gateway And 1M (3.3 ft) Digital Extension Cable

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.

Full Featured “Plug and Play” with Digital SC 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:	$\pm 2\%$ of reading above $200\ \mu\text{S}/\text{cm}$
Cable Length:	7 m (23 ft.)
Cell constant k:	0.05 cm-1
Digital Gateway:	External Digital Gateway
Electrode Material:	316 Stainless Steel
Flow:	0 - 3 m/s
Installation Kit:	1-1/2" Flange
Installation Requirement:	316 Stainless Steel
Installation style:	Sanitary flange
Measuring range:	0 - $100\ \mu\text{S}/\text{cm}$
Operating temperature range:	-20 - 200°C
Pressure Range:	0 - 300 psi (20.7 BAR)
Repeatability:	$\pm 0.5\%$ of reading
Response Time T90:	30 s of step change
Sensitivity:	$\pm 0.5\%$ of reading

Sensor Thread:	0.75"
Sensor Type :	Digital
Transmission Distance:	100 m
Transmission Distance 2:	1000 m
Warranty:	12 months
What's included?:	Includes: sensor with cable, digital gateway, extension cable and manual

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