



Digital Contacting Conductivity Sensor, General Purpose, PPS Body, Cell Constant 10.0

Product #:

D3433E8

OBSOLETE ITEM

This item is no longer available.

Ultimate accuracy from ultra-pure to high conductivity applications.

Nominal Cell Constant $k = 10.0 \text{ cm}^{-1}$, $\frac{3}{4}$ " NPT Threaded PPS Body, 6 m (20 ft) Analogue Cable, Graphite Electrode, Includes Digital Gateway and 1 m (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 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

Non-metallic general purpose sensors have graphite electrodes and $\frac{3}{4}$ -inch male NPT threaded PPS bodies. These sensors can be mounted into a standard $\frac{3}{4}$ -inch pipe tee, 1.5-inch Hach union hardware, or fastened onto the end of a pipe.

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 $200 \mu\text{S/cm}$
Cable Length:	7 m (23 ft.)
Cell constant k:	10 cm^{-1}
Digital Gateway:	External Digital Gateway
Electrode Material:	Graphite
Flow:	0 - 3 m/s (0–10 ft./s), maximum, fully immersed
Immersion Depth:	33 mm Tee mount
Installation Kit:	$\frac{3}{4}$ " NPT
Installation Requirement:	PPS sensor body
Installation style:	General purpose
Measuring range:	0 - 200000 $\mu\text{S/cm}$
Operating temperature range:	-20 - 200 $^\circ\text{C}$
Pressure Range:	0 - 300 psi (20.7 BAR)

Repeatability:	0.5 %
Sensitivity:	0.5 %
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

What's included?

Includes: sensor with cable, digital gateway, extension cable and manual