



Digital Boiler/Condensate Style Contacting Conductivity Sensor, Stainless Steel Body, Cell Constant 5.0

Product #: D3444D8
ZAR Price: Contact Hach
Ships within 1 week

Ultimate accuracy from ultra-pure to high conductivity applications.

Nominal Cell Constant (K) = 5.0, 3/4 inch male NPT threaded 316 stainless steel body, 6m (20 ft) Analog Cable, Titanium 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 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

High pressure and high temperature sensors are designed for monitoring boiler water and condensate in return lines. They have 316 stainless steel electrodes and threaded bodies (3/4-inch male NPT). They can be fastened into a boiler wall using a 3/4-inch weldolet or mounted into a process line using a standard 3/4-inch stainless pipe tee.

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:	5.0 cm-1
Digital Gateway:	External Digital Gateway
Electrode Material:	Titanium and 316 Stainless Steel
Flow:	0 - 3 m/s
Installation Kit:	3/4" NPT
Installation Requirement:	316 Stainless Steel sensor body
Installation style:	Boiler/Condensate
Measuring range:	0 - $10000\ \mu\text{S}/\text{cm}$
Operating temperature range:	$-20 - 200^{\circ}\text{C}$
Pressure Range:	0 - 300 psi (20.7 BAR)

Repeatability:	± 0.5 % of reading
Response Time T90:	30 s of step change
Sensitivity:	± 0.5 % of reading
Sensor Immersion Depth:	72.39 mm
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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