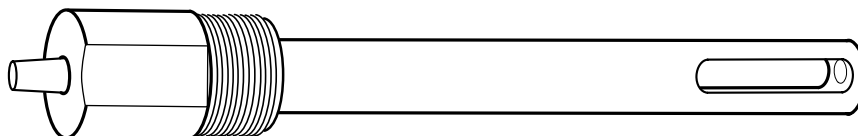


Thermo Scientific Orion 2002CC Carbon Online 4-Electrode Conductivity Cell



General Information

The 2002CC 2-electrode conductivity cell is an epoxy body sensor, with a cell constant of 0.475 cm^{-1} . This sensor is intended for general use and can be used for a wide variety of applications.

Calibration

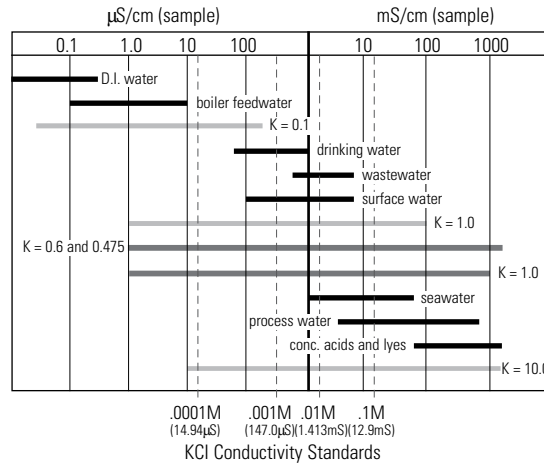
Periodic calibration of the conductivity cell in a Thermo Scientific Orion conductivity standard is recommended. Choose a standard that is closest to the expected sample value. Calibration frequency depends on sample and measurement conditions. Refer to the appropriate monitor user guide for detailed calibration and wiring instructions.

Specifications

Body Material:	Epoxy
Electrode Type:	4-electrode cell
Electrode Material:	Graphite
Measuring Range:	10 $\mu\text{S}/\text{cm}$ to 200 mS/cm
Nominal Cell Constant:	0.475 cm^{-1}
Temperature Range:	-5 to 100 °C
Automatic Temperature Compensation:	Yes, 30 k Ω NTC
Maximum Pressure:	100 psi (6.9 bar)
Cable Length:	5 meters (16.4 ft)

Cleaning

Conductivity cells should be cleaned with deionized water or with warm water mixed with liquid household detergent. If contaminants cannot be removed, soak the cell in 0.1 M HCl for 10 minutes, followed with a deionized water rinse. It is recommended that the cell be recalibrated after cleaning.



Legend
 — Conventional 2-Electrode Cells
 — DuraProbe 4-Electrode Cells
 — Sample Conductivity Range

Chart 1 – Typical Operating Ranges of Conductivity Cells

Ordering Information

Cat. No.	Description
2002CC	Carbon 4-electrode conductivity cell with 1 x 60 mL bottle each of 100 $\mu\text{S}/\text{cm}$, 1413 $\mu\text{S}/\text{cm}$ 12.9 mS/cm and 111.9 mS/cm conductivity standard
2002SS	Stainless steel 2-electrode conductivity cell with 1 x 60 mL bottle of 100 $\mu\text{S}/\text{cm}$ conductivity standard
2002BK	Bracket kit for pipe mounting
2002PK	Panel mounting kit
2002SH	Protective stainless steel housing
2002FC	Flowcell and adapters for 2002SS and 2002CC conductivity cells
011005	111.9 mS/cm conductivity standard, 5 x 60 mL bottles
011006	12.9 mS/cm conductivity standard, 5 x 60 mL bottles
011007	1413 $\mu\text{S}/\text{cm}$ conductivity standard, 5 x 60 mL bottles
011008	100 $\mu\text{S}/\text{cm}$ conductivity standard, 5 x 60 mL bottles

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Environmental Instruments
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North America
 166 Cummings Center
 Beverly, MA 01915 USA
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Europe
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 Wallerstraat 125K, 3862 BN
 Nijkerk, Netherlands
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 Fax: (31) 033-2460832

Asia Pacific
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 #04-16/24, Singapore 139949
 Tel: 65-6778-6876
 Fax: 65-6773-0836

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