

# Orion Conductivity Cells

## Orion DuraProbe™ 4-Electrode Conductivity Cells

DuraProbe 4-Electrode Cells for laboratory or field applications are designed to be durable and extremely accurate under a wide range of conditions. A variety of accessories are available for laboratory, plant, and field applications.

## Orion 2-Electrode Conductivity Cells

There is a wide choice of 2-Electrode Cells for laboratory and field applications. A variety of accessories and standards are available for most applications.

### Orion DuraProbe 4-Electrode Conductivity Cells



### Orion 2-Electrode Conductivity Cells



See Specifications on pages 21 and 23.

# Orion Conductivity Cell Specifications

Orion Conductivity								
Orion #	Use with Meters	Application	Cell Constant	Cell Materials & Dimension	Recommended Application Range	Cable Length	Min/Max Immersion	Cable Connection
A. 013005A 013010A 013030A 013060A	1230, 555A, 550A, 550, 162A 162, 142, 135 series 130 series, 128	Field and laboratory applications	0.475 (cm <sup>-1</sup> )	Epoxy/Graphite 15 mm dia x 163 mm L	1 µS/cm to 200 mS/cm	1.5 m, 3 m, 10 m, 20 m	35/NA mm	8 pin Waterproof DIN
013005D 013010D	150, 125, PCM100	Field and laboratory applications	0.475 (cm <sup>-1</sup> )	Epoxy/Graphite 15 mm dia x 163 mm L	1 µS/cm to 200 mS/cm	1.5 m, 3 m	35/NA mm	8 pin DIN
013005MD 013010MD 013025MD	1119000, 1218000, 1219000, 1117000, 1217000, 1114000, 1214000					1.5 m, 3 m, 10 m		8 pin Waterproof MiniDIN

# Orion Conductivity Cell Specifications

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Orion #	Use with Meters	Application	Cell Constant	Cell Materials & Dimension	Recommended Application Range	Cable Length	Min/Max Immersion	Cable Connection
B. 013610 013660	555A, 550A, 550, 162A, 162, 142, 135 series, 130 series	Field and laboratory applications	0.55 (cm <sup>-1</sup> )	Epoxy/Graphite 12 mm x 163 mm L	10 µS/cm to 200 mS/cm	3 m, 20 m	35/NA mm	8 pin Waterproof DIN
013605MD 013610MD	1119000, 1218000, 1219000, 1117000, 1217000, 1114000, 1214000					1.5 m 3 m		8 pin Waterproof MiniDIN
C. 013010F 013300A	1230, 142, 135 series, 130 series, 128	Rugged cell with guard for depth applications. Also for applicable in bore holes ≤ 2 inch dia.	0.475 (cm <sup>-1</sup> )	Epoxy/Stainless Steel/ Graphite 38 mm dia x 250 mm L	1 µS/cm to 200 mS/cm	1.5 m, 3 m, 100 m	35/NA mm	8 pin Waterproof DIN
D. 018020A (1)	555A, 550A, 550, 162A, 162, 136 135A, 131, 130A	High electrolyte concentrations, e.g. acids, lyes, industrial process water, sea water	approx. 10 (cm <sup>-1</sup> )	Glass/Platinum, platinized 20 mm dia x 120 mm L	10 µS/cm to 2000 mS/cm	1 m	55/110 mm	8 pin Waterproof DIN
018020D (1)	150, 145, 125, 115, 105, PCM100					1 m		8 pin DIN
018020MD (1)	1119000, 1218000, 1219000, 1117000, 1217000, 1114000, 1214000					1.5 m		8 pin Waterproof MiniDIN
E. 011010	150, 145, 125, 115, 105, PCM100	Standard laboratory applications	1.0 (cm <sup>-1</sup> )	Glass/Platinum, platinized 13 mm dia x 120 mm L	1 µS/cm to 200 mS/cm	1 m	25/120 mm	8 pin DIN
011010A	555A, 550A, 162A, 136, 135A,					1 m		8 pin Waterproof DIN
9901BN (1)	Meters with BNC adapter					1 m		BNC
F. 011020	150, 145, 125, 115, 105, PCM100	Standard laboratory applications	0.1 (cm <sup>-1</sup> )	Glass/Platinum, platinized 17 mm dia x 22 mm L 13 mm dia x 120 mm L flat portion	0.1 µS/cm to 100 µS/cm	1 m	25/120 mm	8 pin DIN
011020A	555A, 550A, 162A, 136, 135A, 131, 130A					1 m		8 pin Waterproof DIN
9902BN (1)	meters w/BNC connection					1 m		BNC
G. 013016A (2)	555A, 550A, 550, 162A, 162, 142 135 series, 130 series	Boiler feedwater, ultra-pure water (Includes flow cell)	0.1 (cm <sup>-1</sup> )	Steel, V4A 13 mm dia x 120 mm L Flowcell Vol. 8-12 mL	0.01µS/cm to 300 µS/cm	1 m	35/110 mm	8 pin Waterproof DIN
013016D (2)	150, 145, 125, 115, 105, PCM100					1 m		8 pin DIN
013016MD (2)	1119000, 1218000, 1219000, 1117000, 1217000, 1114000, 1214000					1.5 m		8 pin Waterproof MiniDIN

# Orion Conductivity Cell Specifications

Orion Conductivity								
Orion #	Use with Meters	Application	Cell Constant	Cell Materials & Dimension	Recommended Application Range	Cable Length	Min/Max Immersion	Cable Connection
H. 011050	150, 145, 125, 115, 105, PCM100	Field and laboratory applications	approx. 1.0 (cm <sup>-1</sup> )	Epoxy/Platinum, platinized 12 mm dia x 100 mm L	1 µS/cm to 20 mS/cm	1 m	20/90 mm	8 pin DIN
011050A	555A, 550A, 162A, 162, 136, 135A, 131, 130A					1 m		8 pin Waterproof DIN
011050MD	1119000, 1218000, 1219000, 1117000, 1217000, 1114000, 1214000					1.5 m		8 pin Waterproof MiniDIN
I. 011510	150, 145, 125, 115, 105, PCM100	Field and laboratory applications	approx. 1.0 (cm <sup>-1</sup> )	Epoxy/Graphite 17.8 mm dia x 134 mm L	10 µS/cm to 200 mS/cm	3 m	35/NA mm	8 pin DIN
011510A	555A, 550A, 162A, 162, 136, 135A, 131, 130A					3 m		8 pin Waterproof DIN
011510MD	1119000, 1218000, 1219000, 1117000, 1217000, 1114000, 1214000					3 m		8 pin Waterproof MiniDIN

## Key

(1) No temperature compensation (2) Replacement Flow cell, Orion 013017 is available

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