



Thermo Scientific™

Orion™ ROSS Ultra™ Glass Bodied pH/ATC Triode™

Accurately measure pH and temperature together in just one electrode, with a built-in temperature sensor.

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Catalog Number	Connector Types
8302BNUMD	BNC (Waterproof), 8-pin Mini-DIN
8302BNURCA	BNC (Waterproof), RCA

Catalog number 8302BNUMD



Price (USD)

-

Request A Quote

Connector Types: BNC (Waterproof), 8-pin Mini-DIN

Product Overview



Ask our AI about this Product

Videos

Recommendations

Documents

Thermo Scientific™ Refillable Orion™ ROSS Ultra™ Triode™ 3-in-1 pH/Automatic Temperature Compensation Electrodes combine the precision and speed of response of the ROSS Ultra™ line with a built-in ATC. Best suited for use in strong acids/bases, pH > 12 or pH < 2, food & cosmetic emulsions, pure water and slurries. Refillable Orion™ ROSS Ultra™ Triodes™ come with a two year warranty.

Orion™ ROSS Ultra™ Electrodes offer the best stability and drift free measurements of all our ROSS electrodes while still providing the rapid accuracy and temperature response synonymous with this reference system These are compatible with samples containing organic compounds, Tris buffers, enzymes, proteins, heavy metals, and other compounds.

Solutions required

Electrode fill solution

810007 ROSS pH electrode fill solution, 5 x 60 mL bottles

Electrode storage solution

810001 ROSS pH electrode storage solution, 475 mL bottle

pH buffers

- 910168 pH 1.68 buffer, NIST traceable, 475 mL
- 910104 pH 4.01 buffer, color coded red, NIST traceable, 475 mL
- 910105 pH 5.00 buffer, color coded orange, NIST traceable, 475 mL
- 910686 pH 6.86 buffer, DIN standard, NIST traceable, 475 mL
- 910107 pH 7.00 buffer, color coded yellow, NIST traceable, 475 mL
- 910918 pH 9.18 buffer, DIN standard, NIST traceable, 475 mL
- 910110 pH 10.01 buffer, color coded blue, NIST traceable, 475 mL
- 910112 pH 12.46 buffer, NIST traceable, 475 mL
- 810199 All-in-One ROSS pH buffer kit, includes pH 4.01, 7.00 and 10.01 buffers, 475ml each ROSS pH electrode storage solution, 475 ml, pH electrode cleaning solution C, 30 ml and 12 mm electrode storage bottle

pH cleaning solution kit

900020 Cleaning solution A and C, 30 ml each. B and D, 60 ml each

Items included with

810007 ROSS pH electrode fill solution 60 mL 1 bottle

Warranty period

24 months from date of purchase

Specifications

Description	Orion ROSS Ultra Glass Triode pH/ATC Combination Electrodes with a BNC and 8-pin MiniDIN Connector and 1 meter cable
Diameter (Metric)	12 mm
Filling Solution Type	ROSS electrode 3 M KCl fill solution (Cat. No. 810007)
For Use With (Equipment)	Orion Versa Star, Star A and Dual Star Meters
Internal Reference	ROSS
Isopotential Point	7
Length (Metric)	120 mm
Length (Metric) Cable	1 m
Precision	0.01
Warranty	2 Years
Connector Types	BNC (Waterproof), 8-pin Mini-DIN
Junction	Ceramic
Material	Chemical Resistant Glass Body
Temperature (Metric) Operating	0°C to 100°C
Type	pH/ATC Combination Electrode
pH Range	0 to 14
pH Relative Accuracy	0.03 pH for buffers using automatic temperature compensation
Unit Size	Each

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