

Thermo Scientific Orion ROSS Ultra Low Maintenance Triode Electrode

Stability, precision, fast response and long product life

Thermo Scientific Orion ROSS Ultra low maintenance Triode pH/ATC electrodes with temperature compensation are designed to increase the accuracy of your readings, while providing sensor stability, precision and fast response time at varying sample temperatures.



Designed for Superior Performance

The Thermo Scientific™ Orion™ ROSS Ultra™ Low Maintenance Triode™ pH/ATC electrode integrates the ROSS pH reference system, temperature sensor and a gel filling to help achieve outstanding performance, fast response, and a long product lifetime (18 months warranty)*.

The ROSS reference system is designed to provide the stability that helps make this electrode ideal for a range of sample matrices, including low ionic strength samples.

Benefits

- Designed to achieve fast pH readings with automatic temperature compensation
- Special long-life gel and innovative capillary glass junction design help deliver a long, low maintenance electrode lifetime

- Helps to maintain sample integrity, even in TRIS buffers; ROSS double junction design electrodes contain no silver, which can bind with biological samples
- Enjoy measurement stability with the ROSS reference system
- Compatible with Thermo Scientific™ Orion™ Versa Star™, Thermo Scientific™ Orion Star™ A, and Thermo Scientific™ Orion™ Dual Star™ meters, as well as Mettler Toledo™ meters

Markets:

- Food Manufacturing
- Pharmaceutical/Biopharmaceutical
- Academic/Government
- Environmental

Applications:

- Quality Control
- Research
- General Purpose

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Outstanding Electrode Performance

Low ionic strength samples, such as clean waters can present a challenge to pH electrode performance. Sluggish response, poor accuracy and drift are common. The Thermo Scientific Orion ROSS Ultra low maintenance pH/ATC Triode combination electrode is designed to respond within one minute, and provide a stable, accurate reading.

Product Specifications			
	8107BNUMD	8107UWMMD	8107BNURCA
pH Range	0 to 14		
pH Precision	0.01		
pH Accuracy	0.03 pH for buffers using automatic temperature compensation		
Temperature Range	0-80 °C		
Internal Reference	ROSS		
Body	Rugged epoxy, filled with low maintenance gel		
Junction	Glass capillary		
Isopotential Point	7		
Fill Solution	None required		
Length	120 mm		
Diameter	12 mm		
Sample Compatibility	TRIS, sulfides, or proteins		
Cable Length	1 m	3 m	1 m
Connector Type	BNC Waterproof, 8-pin MiniDIN (compatible with Orion Star meters)	BNC Waterproof, 8-pin MiniDIN (compatible with Orion Star meters)	BNC Waterproof, RCA
Meter Compatibility	Thermo Scientific Orion Versa Star, Star A and Dual Star meters		Mettler Toledo Five and Seven series pH Meters

*Subject to terms of manufacturer's standard limited warranty. Please contact your sales representative for more details.

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