

Electrochemistry

pH meters, electrodes and accessories



pH electrodes, premium, Thermo Scientific Orion® ROSS®

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Thermo Scientific Orion® ROSS® premium electrodes provide readings stable to 0.01pH units in less than 30s, even in the extreme case of samples varying from one another by 50°C or more. Because of the exceptionally stable reference, drift is less than 0.002pH per day and the need for frequent re-standardisation is reduced.

Ross® SureFlow® electrodes provide a free flowing junction especially designed for measurement in viscous samples and are recommended for use in other difficult samples such as colloids, suspensions and emulsions. The junction can be cleaned by simply depressing the electrode cap. This allows reference fill solution to flow through and clean the junction. The junction resets once the cap is released.

Screw cap electrodes (cable 10274442 to be ordered separately). All Thermo Scientific Orion® ROSS® electrodes come with a 1m cable and BNC connector.

Technical Specification - General

pH	Range, pH	0 to 14
	Precision	0.01 (pH)
	Accuracy, pH	0.03 for buffers using automatic temperature compensation
Temperature	Temperature range, °C	0 to 100
	Temperature accuracy, °C	1.0
	Reference type	ROSS® (internal)
General	Fill solution	3M KCl
	Length, mm	120
	Diameter, mm	12

Catalogue No	Legacy No	Alt. No	Description	Dimensions [dia. x h], mm	
1	10615261	-	8102BN	General purpose, combination pH electrode, glass body	12 x 120
2	10054690	-	8104BN	Rugged bulb, combination pH electrode, glass body	12 x 120
3	10191061	-	8103BN	Semi-micro, combination pH electrode, glass body	Length: 165 Tip: 6 x 95
4	10495933	-	8220BNWP	Micro, combination pH electrode, glass body	Length: 155 Tip: 6 x 40
5	10468932	-	8135BN	Flat surface, combination pH electrode, epoxy body	12 x 120
	10101121	-	8172BNWP	SureFlow® pH electrode, glass body	12 x 120
	10029150	-	8165BNWP	SureFlow®, combination pH electrode, epoxy body	12 x 120
	10206993	-	8157BNUMD	Triode pH/ATC electrode, refillable, epoxy body	12 x 120
6	12493617	-	8302BNUMD	Triode pH/ATC electrode, refillable, glass body	12 x 120



Electrodes, ORP/Redox, Thermo Scientific Orion®

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For measuring the oxidation-reduction potential of samples and performing redox titrations.

All Thermo Scientific Orion® ORP electrodes come with a 1m cable and BNC connector.

Catalogue No	Legacy No	Alt. No	Body material	Description	Applications	
10101361	-	9678BNWP	Epoxy	Combination redox/ ORP electrode with SureFlow® reference system	For use in water, wastewater, metal plating, and biotech samples	
1	10672831	-	9778BNWP	Glass	General purpose, combination redox/ ORP electrode	For use in water, wastewater, metal plating and organic solvent samples