

Orion pH Electrode Specifications

Orion Specialty



Orion 9163SC
Combination with glass body, spear tip
Recommended Use: For piercing soft, moist samples such as meats, fruits, cheeses, agar plates
Orion # 9163SC (3)
See also ROSS® 81-63 on page 4




Orion 91-64
Ag/AgCl Glass Combination Electrode with 14/15 standard taper and screw cap connector
Recommended Use: For many titrators, or any vessel requiring standard taper joint.
Orion # 9164SC (3) 9164DN (5)
See also ROSS 8162SC on page 4



Orion 9166SC
Combination Glass Body, Sleeve Junction, pH Electrode with screw cap connector
Recommended Use: For use with most titrators, use in thick, viscous samples.
Orion # 9166SC (3)
See also ROSS 8166SC on page 4



Orion 9167SC
Combination Glass Body, Semi Micro, Flat Surface pH Electrode with screw cap connector
Recommended Use: Surface pH in biological samples, microtiter plates and small volume samples.
Orion # 9167SC (3)
See also Micro Electrodes on page 10



Orion 930101
HF-Resistant pH Electrode
Recommended Use: For pH determinations in hydrofluoric or other acid fluoride. Use with 93 Series Electrode body and 90-02 Reference Electrode, see page 30.
Orion # 930101 (4) (Module only)



Orion 9342BN
Surfactant Half-Cell
Recommended Use: For surfactant titrations. Designed for use on 960 autochemistry system.
Orion # 9342BN (2)

Orion Silver Billet/KF Double Platinum



Orion 9780SC
Combination Silver Billet
Recommended Use: For halide titrations.
Orion # 9780SC (3)



Orion 9781SC
Silver Billet Half-Cell
Recommended Use: For halide titrations.
Orion # 9781SC (3)



Orion 977900
Glass KF Double Platinum
Recommended Use: For Karl Fischer titrations.
Orion # 977900 (6)

Orion Specialty						
	9163SC	91-64	9166SC	9167SC	930101	9342BN
pH Range	0-14	0-14	0-14	0-14	0-14	-
Temp. Range	0-90 °C	0-100 °C	0-100 °C	0-100 °C	0-40 °C	0-40 °C
Type Ref.	Ag/AgCl	Ag/AgCl	Ag/AgCl	Ag/AgCl	Ag/AgCl	Ag/AgCl
Junction	Ceramic	Ceramic	Glass Sleeve	Ceramic	-	-
Dimensions	95 mm x 4 mm, (4 mm section is 20 mm long)	100 mm (from joint top) x 12 mm)	125 mm x 6 mm (6 mm section is 15 mm long)	105 mm x 4 mm (4 mm section is 20 mm long)	120 mm x 12 mm	120 mm x 12 mm

Key

(1) U.S. Standard connector, 1 m cable (2) BNC connector, 1 m cable (3) Screw cap connector, requires separate cable (4) Module only requires separate 93 Series electrode body (5) DIN Connector, 1 m cable (6) Double pin-tip connector (for KF titrations), 1 m cable (7) For use with Orion 610 and Orion 620 only (8) pHuture probe with conversion box for electrode use with any pH meter with BNC input (9) For use with Orion 555A, 535A, 635 and 630 only (10) Pin Tip Connector. 1M cable (11) Screw Cap Connector, requires separate cable (See pages 19 and 20) (12) Stripped wires See page 13 for Orion pH electrode cleaning kits.

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