

Orion pH Electrode Specifications

Orion pHuture™



Orion 615700
pHuture Low Maintenance pH Electrode
Epoxy, gel-filled electrode which offers advantage of permanent reference electrolyte.
Recommended Use: When fast pH determination is needed or when glass is undesirable or prohibited.
Orion # 615700 (6)
615701 (7)



Orion 616500
pHuture Sure-Flow pH Electrode
Free-Flowing liquid to liquid junction that ensures stable drift-free measurements and never clogs.
Recommended Use: When glass is undesirable or prohibited. Great candidate for viscous samples, semi-solid materials, slurries or emulsions.
Orion # 616500 (6)
616501 (7)

Orion pHuture MMS™



Orion 616600
pHuture Sure-Flow® pH/Temp Triode Electrode
Free-Flowing liquid to liquid junction that ensures stable drift-free measurements and never clogs.
Recommended Use: Ideal when glass is undesirable or prohibited. For viscous samples, semi-solid materials, slurries or emulsions.
Orion # 616600 (8)



Orion 617900
pHuture Sure-Flow pH/ORP/Temp Quatrode Electrode
Free-Flowing liquid to liquid junction that ensures stable drift-free measurements and never clogs.
Recommended Use: Ideal when glass is undesirable or prohibited. For viscous samples, semi-solid materials, slurries or emulsions.
Orion # 617900 (8)


Orion Sure-Flow® Reference



Orion 900100
Ag/AgCl Single Reference Half-Cell with epoxy body, Sure-Flow junction
Recommended Use: For many ISE determinations. For routine pH measurements with 91-01 or 91-61 Electrodes. Sure-Flow Junction for easy cleaning.
Orion # 900100 (9)



Orion 900200
Ag/AgCl Double Junction Reference Half-Cell with epoxy body, Sure-Flow junction
Recommended Use: Use for all ISE determinations. Use a variety of filling solutions. Sure-Flow junction for easy cleaning.
Orion # 900200 (9)



Orion 900400
Ag/AgCl Reservoir Reference Half-Cell with epoxy body, Sure-Flow junction
Recommended Use: Filling solutions reservoir eliminates need for frequent refilling. For prolonged pH determinations.
Orion # 900400 (9)

Orion Steam Sterilizable



Orion 9190SC
Steam Sterilizable pH Electrode
Recommended Use: pH electrode for cell culture, benchtop fermentation and other applications
Orion # 9190SC (10)



Orion 9195SC
Steam Sterilizable pH Electrode
Recommended Use: Double junction design, provides excellent stability during fermentation cycles
Orion # 9195SC (10)

	Orion pHuture		Orion pHuture MMS™		Orion Sure-Flow® Reference		
	615700	616500	616600	617900	900100	900200	900400
pH Range	0-14	0-14	0-14	0-14	-	-	-
Temp. Range	0-85 °C	0-85 °C	-	-	0-100 °C	0-100 °C	0-100 °C
Rel Millivolt Range	-	-	± 1999.9	± 1999.9	-	-	-
Conductivity Range	-	-	-	-	-	-	-
Connector Type	8 pin DIN	8 pin DIN	13 pin DIN	13 pin DIN	Pin Tip	Pin Tip	Pin Tip
Type Ref.	Ag/AgCl	Ag/AgCl	Ag/AgCl	Ag/AgCl	Ag/AgCl	Ag/AgCl	Ag/AgCl
Junction	Wick	Sure-Flow	Sure-Flow	Sure-Flow	Sure-Flow	Sure-Flow	Sure-Flow
Dimensions	120 mm x 12 mm, cap dia 16 mm	110 mm x 13 mm, cap dia 16 mm	110 mm x 13 mm, cap dia 16 mm	110 mm x 13 mm, cap dia 16 mm	110 mm x 13 mm cap dia 16 mm	110 mm x 13 mm cap dia 16 mm	110 mm x 13 mm cap dia 16 mm

Orion Steam Sterilizable						
	9190SC (10)	9191SC* (10)	919200* (10)	9193SC* (10)	919400* (11)	9195SC (10)
pH Range	0-14	0-14	0-14	0-14	0-14	0-14
Temp. Range	0-130 °C	0-130 °C	0-130 °C	0-130 °C	0-130 °C	0-130 °C
Type Ref.	Ag/AgCl	Ag/AgCl	Ag/AgCl	Ag/AgCl	Ag/AgCl	Ag/AgCl
Junction	Single	Single	Single	Double	Double	Double
Dimensions	120 mm x 12 mm, cap dia 16 mm	230 mm x 12 mm with reservoir (50x25)	120 mm x 12 mm with reservoir (50x25)	230 mm x 12 mm with reservoir (50x25)	110 mm x 12 mm with reservoir (50x25)	100 mm x 12 mm with reservoir (130x25)

* Images not available

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