



Chemotrode VP 120

Specification Sheet (Part/REF # 242700)

The ChemoTrode targets aggressive media found in industrial applications.

Product Specifications

Sensor Family	ChemoTrode
Parameter	pH
Sensor Output	Traditional: mV
a-length	120 mm
Electrical Connector	VP6
Measurement Principle	Combination electrode; pH potential measured against reference
Measuring Range	pH 0 to 14
Sensitivity	57 to 59 mV / pH at 25 °C
Zero Point	0 ± 20 mV
pH Glass	Hamilton Type PHI Glass
pH Glass Resistance	Moderate
Membrane Shape	Spherical
Diaphragm	HP-Ceramic
Number of Diaphragms	3
Electrolyte	Viscous 3 M KCl-LR
Reference System	Hamilton Everef-F, Silver ion barrier included
Liquid Earth	No
Temperature Sensor	Pt1000
Diameter	30 mm
Wetted Parts	Glass Ceramic
Serial Number	Yes
Recommended Storage	Hamilton Storage Solution or 3 M KCl
Certificate	Yes, with measured values in Buffer pH 4.01 and pH 7.00
ATEX Approval	II 1/2 G Ex ia IIC T4/T5/T6 Ga/Gb; II 1/2 D ia IIIC T x °C Da/Db
IECEX Approval	II 1/2 G Ex ia IIC T4/T5/T6 Ga/Gb; II 1/2 D ia IIIC T x °C Da/Db
Autoclavable	Yes
CIP	Yes
Steam Sterilizable	Yes
Operating Temperature Range	0 to 130 °C
Sample min Conductivity	50 µS/cm
Pressure Range bar g	0 to 6 bar
Shaft Diameter Below	12 mm

Specifications are subject to change without notice

<https://www.hamiltoncompany.com/process-analytics/sensors/242700>

Spec. Version B