

Polilyte Plus H VP 120 Pt1000

Specification Sheet (Part# 242428-1112)



The Polilyte Plus family of pH- and ORP-electrodes is designed for harsh chemical environments or high alkaline wastewater. Liquid junction problems and total break downs are avoided by using Single Pore diaphragms. This family is the successor of the Polilyte HT. The Polilyte Plus fits into the most common housings. Available with the innovative Arc technology.

Product Specifications

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
Membrane / Cap	Hamilton type H glass
Membrane Shape	Cylindrical
Diaphragm	Single Pore
Number of Diaphragms	2
Electrolyte	Polisolve Plus
Liquid Earth	Yes
Reference System	Hamilton Everef-L
Temperature Sensor	Pt1000
ATEX Approval	CE 0035 II 1/2 G Ex ia IIC T4/T5/T6 Ga/Gb, CE 0035 II 1/2 D ia IIIC T x °C Da/Db
IECEx Approval	CE 0035 II 1/2 G Ex ia IIC T4/T5/T6 Ga/Gb, CE 0035 II 1/2 D ia IIIC T x °C Da/Db
Autoclavable	Yes, max. temperature 130°C
CIP	No

Product Specifications

Operating Temperature Range	0 to 130°C
Pressure Range	0 to 16 bar (100°C), 0 to 10 bar (130°C)
Oring material	FPM
Sample min Conductivity	2 µS/cm
pH glass resistance	Moderate
Certificate	Yes, with measured values in Buffer pH 4.01 and pH 7.00
a-length	120 mm
Diameter	12 mm
Process Connection	PG13,5
Electrical Connector	VP 6
Serial Number	Yes
Recommended Storage	Hamilton Storage Solution or 3 M KCl
Medium Affected Materials	Glass, FPM

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Web: www.hamiltoncompany.com

USA: +1-800-648-5950

Europe: +41 58 610 10 10

Hamilton Americas & Pacific Rim

Hamilton Company Inc.
4970 Energy Way
Reno, Nevada 89502 U.S.A.
Tel: +1-800-648-5950
Fax: +1-775-856-7259
sales@hamiltoncompany.com

Hamilton Europe, Asia, & Africa

Hamilton Bonaduz A.G.
Via Crusch 8
CH-7402 Bonaduz, Switzerland
Tel: +41 58 610 10 10
Fax: +41-58-610-00-10
contact@hamilton.ch

To find a representative in your area, please visit hamiltoncompany.com/contacts