

Polilyte Plus H VP 120 Pt1000

Specification Sheet (Part/REF # 242428-1112)



Polilyte Plus Traditional pH sensor offer multiple electrical connectors and length options along with a standard mV output compatible with most transmitters and controllers.

Product Specifications

a-length	a-length 120 mm
Electrical Connector	Electrical Connector VP6
Measurement Principle	Measurement Principle Combination electrode; pH potential measured against reference
Measuring Range	Measuring Range pH 0 to 14
Sensitivity	Sensitivity 57 to 59 mV / pH at 25 °C
Zero Point	Zero Point 0 ± 20 mV
pH Glass	pH Glass Hamilton Type H Glass
pH Glass Resistance	pH Glass Resistance Moderate
Membrane Shape	Membrane Shape Spherical
Diaphragm	Diaphragm Single Pore

Number of Diaphragms	Number of Diaphragms 2
Electrolyte	Electrolyte Polisolve Plus
Reference System	Reference System Hamilton Everef-L
Liquid Earth	Liquid Earth Yes
Temperature Sensor	Temperature Sensor Pt1000
Diameter	Diameter 12 mm
Process Connection	Process Connection PG13,5
Wetted Parts	Wetted Parts Glass FKM (Fluorocarbon Elastomer)
Serial Number	Serial Number Yes
Recommended Storage	Recommended Storage Hamilton Storage Solution or 3 M KCl
Certificate	Certificate Yes, with measured values in Buffer pH 4.01 and pH 7.00
ATEX Approval	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	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	Autoclavable Yes, max. Temperature 130 °C
CIP	CIP No
Steam Sterilizable	Steam Sterilizable Yes, max. Temperature 130 °C

Operating Temperature Range	Operating Temperature Range 0 to 130 °C
Sample min Conductivity	Sample min Conductivity 2 µS/cm
Pressure Range bar g	Pressure Range bar g 0 to 16 bar (100 °C), 0 to 10 bar (130 °C)

Specifications are subject to change without notice

Spec. Version B

<https://www.hamiltoncompany.com/process-analytics/sensors/242428-1112>