Polilyte Plus PHI VP 120 Pt1000

Specification Sheet (Part/REF # 242428-4112)

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

Sensor Family	Polilyte Plus
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	Single Pore
Number of Diaphragms	2
Electrolyte	Polisolve Plus
Reference System	Hamilton Everef-L
Liquid Earth	Yes
Temperature Sensor	Pt1000
Diameter	12 mm
Process Connection	PG13,5
Wetted Parts	Glass EPDM (Ethylene propylene elastomer)
O-ring Material	FDA 21 CFR 177.2600; EG 1935/2004; USP <87>; USP <88> Class VI (121 °C)
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, max. Temperature 130 °C
CIP	Yes

Steam Sterilizable	Yes, max. Temperature 130 °C
Operating Temperature Range	0 to 130 °C
Sample min Conductivity	2 µS/cm
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/sensors/242428-4112