Polilyte Plus PHI MS 120

Specification Sheet (Part/REF # 242428-4413)

Looking to upgrade your Memosens pH sensor installation? Polilyte Plus Memosens pH sensors offer high accuracy and longevity in industrial applications.

Product Specifications

Sensor Family	Polilyte Plus
Parameter	pH
Sensor Output	Memosens
a-length	120 mm
Electrical Connector	Memosens
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	No
Temperature Sensor	NTC 30 kOhm
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 G Ex ia IIC T3/T4/T6 Ga
IECEx Approval	II 1 G Ex ia IIC T3/T4/T6 Ga
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/242428-4413