

# Polilyte Plus H VP 120 Pt100

## Specification Sheet (Part# 242428-1111 )



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

a-length	120 mm
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	No
Reference System	Hamilton Everef-L
Temperature Sensor	Pt100
pH Glass Resistance	Moderate
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

## Product Specifications

Autoclavable	Yes, max. Temperature 130 °C
CIP	No
Steam Sterilizable	Yes, max. Temperature 130 °C
Operating Temperature Range	0 to 130 °C
Pressure Range (bar g)	0 to 16 bar (100 °C), 0 to 10 bar (130 °C)
O-ring Material	FKM
Sample min Conductivity	2 µS/cm
Certificate	Yes, with measured values in Buffer pH 4.01 and pH 7.00
Diameter	12 mm
Process Connection	PG13,5
Electrical Connector	VP6
Wetted Parts	Glass, FKM
Serial Number	Yes
Recommended Storage	Hamilton Storage Solution or 3 M KCl

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