Polilyte Plus ORP VP 120 Pt1000

Specification Sheet (Part/REF # 243648)

Polilyte Plus ORP sensors are maintenance-free and appropriate for a broad range of industrial applications. They are fully compatible with all major brands of transmitters on the market.

Product Specifications

Sensor Family	Polilyte Plus
Parameter	ORP
Sensor Output	Traditional: mV
a-length	120 mm
Electrical Connector	VP6
Measurement Principle	Combination electrode; ORP potential measured against reference
Measuring Range	-2000 mV to +2000 mV
ORP Element	Pt wire
Membrane Shape	Spherical
Diaphragm	Single Pore
Number of Diaphragms	2
Electrolyte	Polisolve Plus
Reference System	Hamilton Everef-L
Liquid Earth	No
Temperature Sensor	Pt1000
Diameter	12 mm
Process Connection	PG13,5
Wetted Parts	Platinum Glass FKM (Fluorocarbon Elastomer)
Serial Number	Yes
Recommended Storage	Hamilton Storage Solution or 3 M KCl
Certificate	Yes, with measured value in ORP buffer +475 mV
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)