MecoTrode VP 120

Specification Sheet (Part/REF # 238437)

MecoTrode traditional pH sensors offer a traditional mV output combined with glass and reference design for industrial applications including HF.

Product Specifications

Sensor Family	MecoTrode
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 H Glass
pH Glass Resistance	Moderate
Membrane Shape	Spherical
Diaphragm	HP-Ceramic
Number of Diaphragms	3
Electrolyte	Viscous 3 M KCl-Pharma, blue
Reference System	Hamilton Everef
Liquid Earth	No
Temperature Sensor	Pt100
Diameter	12 mm
Process Connection	PG13,5
Wetted Parts	Glass Ceramic 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	No
CIP	No

Steam Sterilizable	No
Operating Temperature Range	0 to 130 °C
Sample min Conductivity	50 µS/cm
Pressure Range bar g	0 to 16 bar at 25 °C, 0 to 6 bar at 130 °C