EasyFerm Plus PHI MS 120

Specification Sheet (Part/REF # 238633-1413)

Memosens technology allows upgrading an existing installation with proven Hamilton pH sensor technology.

Product Specifications

Sensor Family	EasyFerm 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	HP-Coatramic
Number of Diaphragms	1
Electrolyte	Pressurized Phermlyte
Reference System	Hamilton Everef-F, Silver ion barrier included
Liquid Earth	No
Temperature Sensor	NTC 30 kOhm
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 G Ex ia IIC T3/T4/T6 Ga
IECEx Approval	II 1 G Ex ia IIC T3/T4/T6 Ga
Autoclavable	Yes
CIP	Yes

Steam Sterilizable	Yes
Operating Temperature Range	0 to 135 °C; 0 to 130 °C (ATEX)
Sample min Conductivity	100 µS/cm
Pressure Range bar g	0 to 6 bar