



MecoTrode HF MS 225

Specification Sheet (Part/REF # 242840)

The MecoTrode Memosens pH sensor offers a perfect upgrade for Memosens installations in high / low pH applications and even HF.

Product Specifications

Sensor Family	MecoTrode
Parameter	pH
Sensor Output	Memosens
a-length	225 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 HF Glass: For < 0.01M / 200 mg/l HF at 20 °C or 0.05M / 1000mg/l HF at 50 °C
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	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	No
CIP	No
Steam Sterilizable	No
Operating Temperature Range	-10 to 100 °C
Sample min Conductivity	2 µS/cm
Pressure Range bar g	0 to 16 bar at 25 °C, 0 to 6 bar at 100 °C

Specifications are subject to change without notice

Spec. Version B

