

EasyFerm Plus PHI MS 200

Specification Sheet (Part/REF # 238633-1433)



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

Product Specifications

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|------------------------------|--|
| Sensor Family | EasyFerm Plus |
| Parameter | pH |
| Sensor Output | Memosens |
| a-length | 200 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 |

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|------------------------------------|---|
| Liquid Earth | No |
| Temperature Sensor | NTC 30 kOhm |
| Diameter | 12 mm |
| Process Connection | PG13,5 |
| Wetted Parts | Glass EPDM (Ethylene propylene elastomer) |
| 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 |

Specifications are subject to change without notice

Spec. Version B

<https://www.hamiltoncompany.com/process-analytics/sensors/238633-1433>