

EasyFerm Bio HB VP 425 Pt100

Specification Sheet (Part/REF # 243632-2171)



Traditional sensors offer a standard mV output signal and a wide variety of electrical connectors to work with most transmitters and controllers.

Product Specifications

| | |
|------------------------------|---|
| Sensor Family | EasyFerm Bio |
| Parameter | pH |
| Sensor Output | Traditional: mV |
| a-length | 425 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 HB glass |
| pH Glass Resistance | Moderate |
| Membrane Shape | Spherical |
| Diaphragm | HP-Coatramic |
| Number of Diaphragms | 1 |
| Electrolyte | Pressurized Foodlyte |
| Reference System | Hamilton Everef-F, Silver ion barrier included |
| Liquid Earth | No |
| Temperature Sensor | Pt100 |
| Diameter | 12 mm |
| Process Connection | PG13,5 |
| Wetted Parts | Glass Ceramic VMQ (Silicone 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 | Yes |
| CIP | Yes |

| | |
|-----------------------------|-------------|
| Steam Sterilizable | Yes |
| Operating Temperature Range | 0 to 140 °C |
| 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/sensors/243632-2171>