

EasyFerm Bio PHI VP 425 Pt100

Specification Sheet (Part/REF # 243632-1171)



EasyFerm Bio pH sensors provides pre-pressurized reference technology in a sensor designed for the food and beverage market.

Product Specifications

Sensor Family	EasyFerm Bio
Parameter	pH
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 PHI 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/process-analytics/sensors/243632-1171>