

EasyFerm Plus HB VP 120 Pt100

Specification Sheet (Part# 238633-2111)



The EasyFerm Plus sensors are designed to withstand demanding applications in pharmaceutical and chemical industries. It is supplied with a pre-pressurized electrolyte which prevents the diffusion of sample into the sensor. The Everef-F reference cartridge ensures that the PhermLyte reference electrolyte remains free of silver and precipitation. It withstands steam sterilization, autoclavation and CIP cleanings.

Product Specifications

a-length	120 mm
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
Membrane / Cap	Hamilton Type HB Glass
Membrane Shape	Cylindrical
Diaphragm	HP-Coatramic
Number of Diaphragms	1
Electrolyte	Pressurized Phermlyte
Liquid Earth	No
Reference System	Hamilton Everef-F, Silver ion barrier included
Temperature Sensor	Pt100
pH Glass Resistance	Moderate
ATEX Approval	CE 0035 II 1/2 G Ex ia IIC T4/T5/T6 Ga/Gb, CE 0035 II 1/2 D ia IIIC T x °C Da/Db
IECEX Approval	CE 0035 II 1/2 G Ex ia IIC T4/T5/T6 Ga/Gb, CE 0035 II 1/2 D ia IIIC T x °C Da/Db

Product Specifications

Autoclavable	Yes
CIP	Yes
Steam Sterilizable	Yes
Operating Temperature Range	0 to 140 °C
Pressure Range (bar g)	0 to 6 bar
O-ring Material	EPDM (FDA approved, USP class VI)
Sample min Conductivity	100 µS/cm
Certificate	Yes, with measured values in Buffer pH 4.01 and pH 7.00
Diameter	12 mm
Process Connection	PG13,5
Electrical Connector	VP6
Wetted Parts	Glass, EPDM
Serial Number	Yes
Recommended Storage	Hamilton Storage Solution or 3 M KCl

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Revision: A / 2010-05-11 Printed in the U.S.A.

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