

# EasyFerm Plus PHI LEVP 225 Pt100

Specification Sheet (Part/REF # 238633-1641)



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 Plus                                                           |
| Parameter             | pH                                                                      |
| Sensor Output         | Traditional: mV                                                         |
| a-length              | 225 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 Phermlyte                                                   |
| Reference System      | Hamilton Everef-F, Silver ion barrier included                          |
| Liquid Earth          | Yes                                                                     |
| Temperature Sensor    | Pt100                                                                   |
| Diameter              | 12 mm                                                                   |
| Process Connection    | PG13,5                                                                  |
| Wetted Parts          | Glass<br>Ceramic<br>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 1/2 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/238633-1641>