

# EasyFerm Plus ORP S8 120

Specification Sheet (Part/REF # 243187)



EasyFerm Plus ORP sensors have the all the advantages of our pre-pressurized reference design combined with a large platinum electrode surface for easy cleaning in sanitary applications.

## Product Specifications

|                                    |  |
|------------------------------------|--|
| <b>Sensor Family</b>               | EasyFerm Plus  |
| <b>Parameter</b>                   | ORP  |
| <b>Sensor Output</b>               | Traditional: mV  |
| <b>a-length</b>                    | 120 mm   |
| <b>Electrical Connector</b>        | S8   |
| <b>Measurement Principle</b>       | Combination electrode; ORP potential measured against reference  |
| <b>Measuring Range</b>             | -2000 mV to +2000 mV   |
| <b>ORP Element</b>                 | Pt ring  |
| <b>Membrane Shape</b>              | Spherical  |
| <b>Diaphragm</b>                   | HP-Coatramic   |
| <b>Number of Diaphragms</b>        | 1  |
| <b>Electrolyte</b>                 | Pressurized Phermlyte  |
| <b>Reference System</b>            | Hamilton Everef-F, Silver ion barrier included                   |
| <b>Liquid Earth</b>                | No   |
| <b>Temperature Sensor</b>          | No   |
| <b>Diameter</b>                    | 12 mm  |
| <b>Process Connection</b>          | PG13,5   |
| <b>Wetted Parts</b>                | Platinum<br>Glass<br>EPDM (Ethylene propylene elastomer)         |
| <b>Serial Number</b>               | Yes  |
| <b>Recommended Storage</b>         | Hamilton Storage Solution or 3 M KCl                             |
| <b>Certificate</b>                 | Yes, with measured value in ORP buffer +475 mV                   |
| <b>ATEX Approval</b>               | II 1/2 G Ex ia IIC T4/T5/T6 Ga/Gb; II 1/2 D ia IIIC T x °C Da/Db |
| <b>IECEX Approval</b>              | II 1/2 G Ex ia IIC T4/T5/T6 Ga/Gb; II 1/2 D ia IIIC T x °C Da/Db |
| <b>Autoclavable</b>                | Yes  |
| <b>CIP</b>                         | Yes  |
| <b>Steam Sterilizable</b>          | Yes  |
| <b>Operating Temperature Range</b> | 0 to 140 °C  |
| <b>Sample min Conductivity</b>     | 100 µS/cm  |

