

OxyTrode Pt 120

Specification Sheet (Part/REF # 238810)



Hamilton's OxyTrode Pt is a maintenance-free ORP sensor with three ceramic diaphragms to reduce flow potential in pipe installations, featuring a robust platinum wire coil for reliable redox measurements in chemical, wastewater, and industrial applications.

Product Specifications

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|-----------------------------|---|
| Process Connection | PG13,5 |
| Wetted Parts | Platinum Glass Ceramic EPDM (Ethylene propylene elastomer) (FDA 21 CFR 177.2600; EU 1935/2004; USP <88> Class VI - 70 °C) |
| Electrical Connector | S8 |
| a-length | 120 mm |
| Measuring Range | -2000 mV to +2000 mV |
| Electrolyte | Viscous 3 M KCl-Pharma, blue |
| ORP Element | Pt wire |
| Membrane Shape | Spherical |
| Diaphragm | HP-Ceramic |
| Number of Diaphragms | 3 |
| Reference System | Hamilton Everef |
| Liquid Earth | No |
| Temperature Sensor | No |
| O-ring Material | FDA 21 CFR 177.2600; EC 1935/2004; USP <87>; USP <88> Class VI (121 °C) |
| Serial Number | Yes |
| Recommended Storage | Hamilton Storage Solution or 3 M KCl |

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| Certificate | No |
| 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 |
| Diameter | 12 mm |
| Autoclavable | No |
| Steam Sterilizable | No |
| CIP | No |
| Operating Temperature Range | 0 to 130 °C |
| Sample min Conductivity | 50 µS/cm |
| Pressure Range bar g | 0 to 16 bar at 25 °C, 0 to 6 bar at 130 °C |

Specifications are subject to change without notice

Spec. Version B

<https://www.hamiltoncompany.com/sensors/orp-sensors/oxytrode>



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