

Polilyte Plus PHI S8 120

Specification Sheet (Part/REF # 242428-4213)



Polilyte Plus Traditional pH sensor offer multiple electrical connectors and length options along with a standard mV output compatible with most transmitters and controllers.

Product Specifications

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|------------------------------|---|
| Sensor Family | Polilyte Plus |
| Parameter | pH |
| Sensor Output | Traditional: mV |
| a-length | 120 mm |
| Electrical Connector | S8 |
| 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 | Single Pore |
| Number of Diaphragms | 2 |
| Electrolyte | Polisolve Plus |
| Reference System | Hamilton Everef-L |
| Liquid Earth | No |
| Temperature Sensor | No |
| Diameter | 12 mm |
| Process Connection | PG13,5 |
| Wetted Parts | Glass 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, max. Temperature 130 °C |
| CIP | Yes |

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|------------------------------------|--|
| Steam Sterilizable | Yes, max. Temperature 130 °C |
| Operating Temperature Range | 0 to 130 °C |
| Sample min Conductivity | 2 µS/cm |
| Pressure Range bar g | 0 to 16 bar (100 °C), 0 to 10 bar (130 °C) |

Specifications are subject to change without notice

Spec. Version B

<https://www.hamiltoncompany.com/process-analytics/sensors/242428-4213>