

# Polilyte Plus H S8 425

Specification Sheet (Part/REF # 242428-1253)



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

|                              |  |
|------------------------------|--|
| <b>Sensor Family</b>         | Polilyte Plus  |
| <b>Parameter</b>             | pH   |
| <b>Sensor Output</b>         | Traditional: mV  |
| <b>a-length</b>              | 425 mm   |
| <b>Electrical Connector</b>  | S8   |
| <b>Measurement Principle</b> | Combination electrode; pH potential measured against reference   |
| <b>Measuring Range</b>       | pH 0 to 14   |
| <b>Sensitivity</b>           | 57 to 59 mV / pH at 25 °C  |
| <b>Zero Point</b>            | 0 ± 20 mV  |
| <b>pH Glass</b>              | Hamilton Type H Glass  |
| <b>pH Glass Resistance</b>   | Moderate   |
| <b>Membrane Shape</b>        | Spherical  |
| <b>Diaphragm</b>             | Single Pore  |
| <b>Number of Diaphragms</b>  | 2  |
| <b>Electrolyte</b>           | Polisolve Plus   |
| <b>Reference System</b>      | Hamilton Everef-L  |
| <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>          | Glass<br>FKM (Fluorocarbon Elastomer)                            |
| <b>Serial Number</b>         | Yes  |
| <b>Recommended Storage</b>   | Hamilton Storage Solution or 3 M KCl                             |
| <b>Certificate</b>           | Yes, with measured values in Buffer pH 4.01 and pH 7.00          |
| <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, max. Temperature 130 °C                                     |
| <b>CIP</b>                   | No   |
| <b>Steam Sterilizable</b>    | Yes, max. Temperature 130 °C                                     |

**Operating Temperature Range** 0 to 130 °C

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**Sample min Conductivity** 2 µS/cm

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**Pressure Range bar g** 0 to 16 bar (100 °C), 0 to 10 bar (130 °C)

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Specifications are subject to change without notice

**Spec. Version B**

<https://www.hamiltoncompany.com/process-analytics/sensors/242428-1253>