



# Polilyte Plus HF MS 425

Specification Sheet (Part/REF # 242428-3453)

Looking to upgrade your Memosens pH sensor installation? Polilyte Plus Memosens pH sensors offer high accuracy and longevity in industrial applications.

## Product Specifications

<b>Sensor Family</b>	Polilyte Plus
<b>Parameter</b>	pH
<b>Sensor Output</b>	Memosens
<b>a-length</b>	425 mm
<b>Electrical Connector</b>	Memosens
<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 HF Glass: For < 0.01M / 200 mg/l HF at 20 °C or 0.05M / 1000mg/l HF at 50 °C
<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>	NTC 30 kOhm
<b>Diameter</b>	12 mm
<b>Process Connection</b>	PG13,5
<b>Wetted Parts</b>	Glass 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 G Ex ia IIC T3/T4/T6 Ga
<b>IECEX Approval</b>	II 1 G Ex ia IIC T3/T4/T6 Ga
<b>Autoclavable</b>	No
<b>CIP</b>	No
<b>Steam Sterilizable</b>	No
<b>Operating Temperature Range</b>	-10 to 100 °C
<b>Sample min Conductivity</b>	2 µS/cm
<b>Pressure Range bar g</b>	0 to 16 bar (100 °C)

Specifications are subject to change without notice

<https://www.hamiltoncompany.com/process-analytics/sensors/242428-3453>

Spec. Version B

