

Polilyte Plus H Arc 120

Specification Sheet (Part/REF # 242428-1313)



Looking for an intelligent pH sensor that can survive in difficult industrial processes? The Polilyte Plus with Arc intelligent sensor technology can make it.

Product Specifications

| a-length | 120 mm |
|-----------------------------|--|
| Electrical Connector | VP8 |
| 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 H 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 | NTC 22 kOhm |
| Configurable Values | pH: pH, mV; Temperature: °C, K, °F |
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| Diameter | 12 mm |
|-----------------------------|---|
| Process Connection | PG13,5 |
| Wetted Parts | Glass FKM (Fluorocarbon Elastomer) |
| Analog Interface 1 | 4-20 mA for pH, programmable |
| Analog Interface 2 | 4-20 mA for Temp., programmable |
| Analog Interface 1 and 2 | Galvanically not isolated; pulse width modulation 3.5 kHz |
| Digital Interface | RS485 Modbus (max. 31 addresses) |
| Baud Rate | 4800, 9600, 19200, 38400, 57600,115200 bd |
| Operating Voltage | 7 to 30 VDC max. 150 mW |
| 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 | No |
| IECEx Approval | No |
| Autoclavable | Yes, max. Temperature 130 °C |
| CIP | No |
| Steam Sterilizable | Yes, max. Temperature 130 °C |
| Operating Temperature Range | Analog interface: 0 to 110 °C; Digital interface: 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

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