

# pH sensor | Hamilton

max. depth 500 m.



Sea & Sun  
Technology

Polilyte Plus 120 XP is designed to withstand demanding applications in chemical and petrochemical industries. It is also suitable for natural waters and wastewater. Because of its two Single Pore diaphragms, liquid junction problems and total breakdowns are excluded. The Polilyte Plus XP shows good measurement accuracy in highly alkaline solutions as well as in samples with low conductivity. Additionally, the Everef-L reference cartridge ensures a long lifetime. The Polilyte Plus XP is suited for pressures up to 500 dbar. ©

The pH sensor is supplied with a storage solution in a wetting cap. The cap must always be placed beneath the sensor and contain sufficient storage solution to store the sensor when not in use. The storage solution should be a 3 M KCl solution that prevents the reference electrode from drying out.

The sensor needs replacement after a lifespan of approximately 12 months (depending on the measuring environment).



## ADVANTAGES

- + integrable into all probes
- + applicable in fresh water
- + easy exchangeable S7/S8 connection

pH sensor / Hamilton	
Pressure resistance	500 dbar
Temperature range	0...130 °C
Sample min. conductivity	2 µS/cm
Measuring range	0...14 pH
Sensitivity	57...59 mV / pH at 25°C
Response time	approx. 1s
Principle	Combination electrode; pH potential measured against reference
Dimensions	12 mm Ø, 167 mm long with flange
Material	Glass, FKM (Fluorocarbon Elastomer)
Electrical connector	S8
Used for	CTD48, CTD48c, CTD48M, CTD48Mc, CTD75M, CTD90, CTD90M, CTD115M

H<sub>2</sub>S resistant industrial versions for 100 m depth are available!



Sea & Sun Technology GmbH  
Arndtstrasse 9-13  
24610 Trappenkamp Germany  
+49 4323 91 09 13  
+49 4323 91 09 15  
sales@sea-sun-tech.com  
www.sea-sun-tech.com