


Data Sheet POLILYTE PLUS

The maintenance free POLILYTE PLUS sensors are designed to withstand demanding applications in chemical and petrochemical industries. The EVEREF-L reference cartridge ensures a long lifetime. Because of its two SINGLE PORE diaphragms you will have never again liquid junction problems and total break downs. The POLILYTE PLUS sensors show good measurement accuracy in highly alkaline solutions as well as in samples with low conductivity.

Application Fields:

Chemical, pharmaceutical and petrochemical industries

Specifications:

Serial Number:	Yes
Certificate:	Yes, with measured values in buffer pH 4.01 and pH 7.00
Measuring Method:	Combination electrode, potential measured against reference electrode
Range:	pH 0 ... 14
Zero-Point:	0 ± 20 mV
Sensitivity:	57 ... 59 mV / pH at 25°C
Temperature Range:	0 ... 130°C
Pressure Range:	0 ... 6 bar
Electrolyte:	POLISOLVE PLUS
Reference System:	HAMILTON EVEREF-L
Liquid Earth:	Yes
Shaft Material:	Glass
Membrane glass:	HAMILTON type H glass
Sample: min Conductivity:	2 µS/cm
Diaphragm:	Single Pore
Number of diaphragm:	2
Steam sterilizable:	Yes
Autoclavable:	Yes
CIP:	No
Electrical Connector:	Type S8 – standard pH connector head, suitable for most brand name quality pH cables
Temperature Sensor:	No
ATEX approval:	Yes, CE 0035  II 1/2 G EEx ia IIC T4/T5/T6
Recommended Storage:	HAMILTON Storage Solution (p/n 238931) or 3M KCl (p/n 238036 or 238936)



Ordering Information:

Part Number	Description	a-length (a)
242431	Polilyte Plus 120	120 mm
242432	Polilyte Plus 225	225 mm
242433	Polilyte Plus 325	325 mm
242434	Polilyte Plus 360	360 mm
242435	Polilyte Plus 425	425 mm

Dimensional drawing:

