


Data Sheet POLYPLAST PRO

The maintenance free POLYPLAST PRO sensor is designed for pH measurements in water applications, e.g. waste water treatment or swimming pools. Its shaft is made of plastic and the glass membrane is protected by plastic pins. Furthermore, the SINGLE PORE diaphragm barely needs cleaning and the POLISOLVE electrolyte remains stable over a long period of time. It is a robust sensor that does not need maintenance.

Application Fields:

Water, e.g. waste water treatment, swimming pools, fish farming

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:	-10 ... 40°C, briefly 60°C
Pressure Range:	0 ... 6 bar
Electrolyte:	POLISOLVE
Reference System:	Ag/AgCl
Liquid Earth:	No
Shaft Material:	Plastic
Membrane glass:	HAMILTON type V glass
Sample: min Conductivity:	50 µS/cm
Diaphragm:	SINGLE PORE
Number of diaphragm:	1
Steam sterilizable:	No
Autoclavable:	No
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 IIB 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)
238408	Polyplast Pro	120 mm

Dimensional drawing:

