

03PHEL INDUSTRIAL Ph ELECTRODES

Electrodes for industrial measurement of pH. Their body completely closed and sealed allows in the immersion probe holders, probes Flow or in the pipeline and provide a good range of operation without the need for topping up of electrolyte solution.

Installed in immersion probe holders, can work directly immersed in the process, at depths from 600 to 2000 mm, in flow-through probe holders, in conjunction with other sensors and directly in line with max pressure of 2 bar. The electrode is supplied with shielded cable standard length 5 m (other lengths on request), with connector head and cable supplied separately with lengths on request or with plug head with thread PG 13.5.

Applications:

- Water treatment plants
- Processes with coagulants
- Processes with pollutants
- Measurements of pH with low conductivity



screw pH Electrodes




PH electrodes with electrolyte reserve



Cable pH Electrode

TECHNICAL SPECIFICATIONS

Poly series are used exclusively for combination electrodes featuring a gel or polymer reference electrolyte. The shaft is made completely from plastic. This design makes the shaft unbreakable as it is often used with a portable pH meter. Ph 0...14

Model 03ELPH	Temp. °C	Diameter x Length	Type	
POLY1	0...60	12 x 130	1m cable with BNC	
POLY2			S7 screw connector	

PolyLab electrodes offer the advantage of being maintenance free with the accuracy and stability required by laboratory electrodes. Thanks to the Single Pore, clogging of the diaphragm is virtually impossible. Diaphragm Single Pore. Electrolyte Polysolve. Medium Affected Materials Glass. Membrane HF glass, shape Cylindrical. Minimum immersion depth 15 mm. Number of Diaphragms 1

Model	Temp. °C	Diameter x Length	Type	
POLYLAB	-10...+80	12 x 130	S7 screw connector	

The PolytePlus family of pH- and ORP-electrodes is designed for harsh chemical environments or high alkaline wastewater. Liquid junction problems and total break downs are avoided by using Single Pore diaphragms. The Polyte Plus fits in many housings. No clogging due to Single Pore technology. Highly reproducible measurements. Very stable over long periods of time; minimal diffusion potential. Upside-down mounting possible with VP connector head. High pressure "XP"-version for pressures up to 60 bar. Available with various connector heads: S8, VP 6, Memosens and Arc (VP 8). ATEX-certificate for S8, K8, VP 6 and Memosens. Available as ORP sensor. Pressure 0...16 bar (130°C) 0...10 bar (130°C). Diaphragm Single Pore. Electrolyte Polysolve Plus. Medium Affected Materials Glass, FPM. Membrane H glass, shape Cylindrical. Minimum immersion depth 15 mm. Number of Diaphragms 2. 57 to 59 mV / pH at 25 °C. Steam sterilizable and autoclavable ATEX Approval CE 0035 II 1/2 G Ex ia IIC T4/T5/T6.

Model	Temp. °C	Diameter x Length	Type	
POLYTE120	0...130	12 x 120	Electric Connector S8, Process connection PG13.5	
POLYTE225		12 x 225		
POLYTE325		12 x 325		
POLYTE360		12 x 360		
POLYTE425		12 x 425		



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