

Product Information

pH121

Combined pH Electrode



Characteristics

The electrode is ideal for use in demanding applications. Its membrane is made of temperature-resistant glass, the reference is equipped with a silver ion trap and therefore achieves a good service life.

The electrolyte is pressurized to withstand increased process pressures.

Technical data

Application range	: 0...14 pH
Scope	: Lightly polluted liquids, SIP/CIP capable
Working temperature	: 135°C
Max. pressure	: 6 bar
Diameter	: 12 mm
Installation length	: 120 mm
Min. immersion depth	: 25 mm
Process connection	: PG13,5
Temperature sensor	: Pt1000
Electrical connection	: VarioPin (VP)
Reference system	: Ag/AgCl
Electrolyte in reference	: Gel
Diaphragm	: 1 x Ceramis
Min. conductivity of media	: 150 µS/cm
Installation position	: 120°
Zero point	: 0 +/- 15 mV
Slope	: 56...59 mV/pH @i 25°C
Response time	: pH 4..7 < 30 s
Shaft material	: Glass
Membrane shape	: Ball

Ordering Code

1.	Type of sensor	
	pH	Combined pH Electrode, potentiometric
2./3./4.	Design	
	121	1 x Ceramics- Diaphragm, HT-Glass, 3 mol/l KCL-Gel
5.	Shaft length	
	120	120 mm
6.	Electrical connection	
	VP	VP industrial plug-in head, incl. Pt1000
7.	Options	
	02	Silver ion trap

Accessories

Article No.	Type	Description
103096	KVP-03	Connection cable with VP plug/ pig tail, 3m
103097	KVP-05	Connection cable with VP plug/ pig tail, 5m
103098	KVP-10	Connection cable with VP plug/ pig tail, 5m
various	EA2200	Installation adaptor for PVC-U piping
various	DFA32	Flow fitting for EA2200
various	EA2630	Installation fitting G¾, G1A, PVDF
various	EA2650	Installation fitting G¾A, G¾A, G1A, stainless steel
various	EA2730	Installation fitting, Milk tube piping, PVDF
various	EA2090	Installation fitting open basins
various	DFG70	Flow through fitting for up to 3 sensors, PC/PVC-U

Scope of delivery

Electrode storage tube, KCL-filled incl. sealing cap

