

Product Information

pH101

Combined pH Electrode



Characteristics

pH combination electrode for universal use in clear to slightly contaminated liquids. Version with robust plastic shaft.

A Pt1000 measuring element can be installed for temperature compensation purposes. The electrode is optionally available with an industrial plug-in head or fixed cable.

Technical data

Application range	: 0..14 pH
Scope	: Universal, lightly polluted liquids
Working temperature	: 80°C
Max. pressure	: 5 bar
Diameter	: 12 mm
Installation length	: 120 mm
Min. immersion depth	: 15 mm
Process connection	: PG13,5
Electrical connection	: Fixed cable with BNC/Banana plug (2m), S8 or VarioPin (VP)
Temperature sensor	: Pt1000 (VP-/CBT-type, only)
Reference system	: Ag/AgCl
Electrolyte in reference	: Gel
Diaphragm	: 1 x ceramics
Min. conductivity of media	: 50 µS/cm
Installation position	: 120 °
Response time	: pH 4..7 < 30 s
Shaft material	: PC
Membrane shape	: Cylinder

Ordering Code

1.	Type of sensor	
	pH	Combined pH Electrode, potentiometric
2./3./4.	Design	
	101	1 x ceramics- diaphragm, 3 mol/l KCL-Gel
5.	Shaft length	
	120	120 mm
6.	Electrical connection	
	CB	2m fixed cable, BNC Plug
	CBT	2m fixed cable, BNC/Banana-Plug
	S8	S8 industrial plug-in head
	VP	VP industrial plug-in head
7.	Options	
	00	without

Accessories

Article No.	Type	Description
103161	S7-02	Connection cable with S7/S8 plug/ pig tail, 2m
103162	S7-05	Connection cable with S7/S8 plug/ pig tail, 5m
103163	S7-10	Connection cable with S7/S8 plug/ pig tail, 10m
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, 10m
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

