

Product Information

pH211

Combined pH Electrode



Characteristics

Combined pH electrode for use in heavily polluted media. Equipped with a double hole-diaphragm and gel-electrolyte as well as an electrolyte bridge, this combined electrode is suitable for use in contaminated to heavily contaminated media. The reference system has an extended diffusion range and double chamber structure, which extends the lifetime of the electrode.

The hole-diaphragm has a minimal diaphragm interference voltage due to the direct access of the media and cannot clog due to its large diameter.

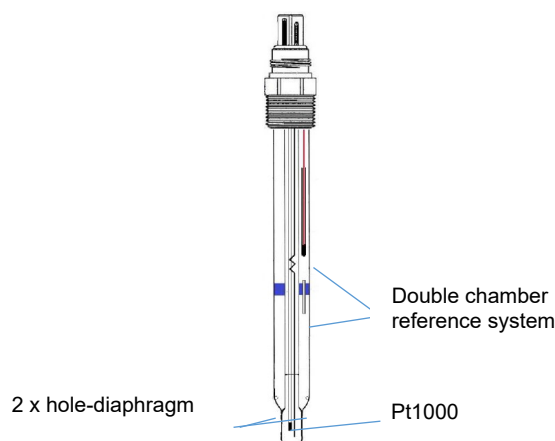
Technical data

Application range	: 0..14 pH
Scope	: Wastewater treatment Process Chemistry
Working temperature	: -5..+100 °C
Max. pressure	: 5 bar
Diameter	: 12 mm
Installation length	: 120
Min. immersion depth	: 20 mm
Process connection	: PG13,5
Temperature sensor	: Pt1000
Electrical connection	: VarioPin (VP)
Reference system	: Ag/AgCl
Electrolyte in reference	: Gel
Diaphragm	: 2 x hole
Min. conductivity of media	: 150 µS/cm
Installation position	: 10...170°(upright)
Resistance, typical	: ≤ 300 MΩ
Zero point	: 0+/-20 mV
Slope	: 57...59 mV
reaction time	: pH 4..7 < 30 s

Ordering code

1.	Type of sensor	
	pH	Combined pH electrode, potentiometric
2./3./4.	Design	
	211	2 x hole-diaphragm, 3 mol/l KCL-Gel
5.	Shaft length	
	120	120 mm
6.	Electrical connection	
	VP	VarioPin, VP
7.	Options	
	01	Double chamber reference system

Construction



Accessories

Article No.	Type	Description
103096	KVP-03	Connection cable with VarioPin plug/ pig tail, 3m
103097	KVP-05	Connection cable with VarioPin plug/ pig tail, 5m
103098	KVP-10	Connection cable with VarioPin 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
104095	DFG70	Flow through fitting for up to 3 sensors, PC/PVC-U

Scope of delivery

Electrode storage tube, KCL-filled incl. sealing cap