

mikron 91 pH meter

Data sheet



pH-meter with flow cell up to 1,000 ml/min.

ISFET measuring electrode, KCl or Ag/AgCl reference electrode. Substance-dependent temperature equalisation (Pt-1000) for accurate measurements. Measuring cell made of biocompatible materials, FDA USP Class VI with certificate available. Two inner diameters available.

Storage of calibration and process data in the device for predictive maintenance.



pH	display range	0 ... 14
	linear range	2 ... 12
	resolution	0.001
	accuracy	±0.1
	sampling rate	1 ... 10 Hz
temperature	display range	0 ... 100 °C
	resolution	0.1 °C
	accuracy	± 0.2 °C
sensors	pH measure	ISFET
	pH reference	KCl or Ag/AgCl
interface	USB-C, RS-485 for data, energy	
power	electrical	< 2,5 W (500 mA)
protocol	open, text-based	
drivers	DataApex Clarity, SCPA, LabView	
markings	CE, UKCA	
dimensions	d 32 mm, length 115 mm	

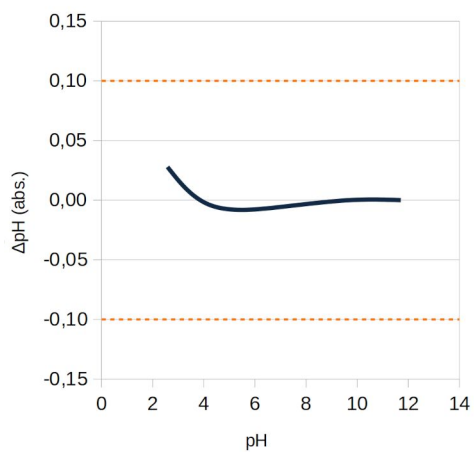


Fig. 1: Deviation from nominal value (absolute)

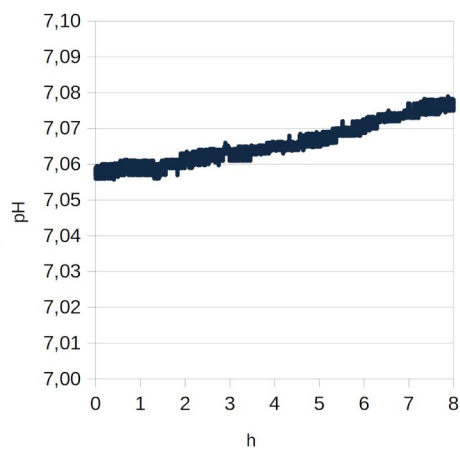


Fig. 2: Drift over eight hours

Measuring cells

	analytical	preparative
bore diameter	1.0 mm	2.2 mm
dwel volume	60 µl	100 µl
ports	1/4"-28 flat-bt.	1/4"-28 flat-bt.
cell body material	PEEK ⁽¹⁾	PEEK ⁽¹⁾
wetted materials	PEEK ⁽¹⁾	PEEK ⁽¹⁾
	SiO ₂	SiO ₂
	FKM	FKM
flow rate, max.	1,000 ml/min	1,000 ml/min
pressure, max.	10 bar	10 bar
dynamic pressure	1 bar ⁽²⁾	< 1 bar ⁽²⁾

⁽¹⁾ PEEK also as USP Class VI, TSE free

⁽²⁾ at 500 ml/min, distilled water at 20 °C

Accessories

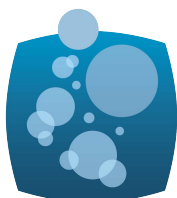


Table mounting

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