

Data sheet

Handheld measuring devices

pH measuring device G 1500



- Made in Germany
- Modern and functional housing
- Outstanding price/performance ratio
- Waterproof (IP65/IP67)
- 3-line display / overhead display at the push of a button
- Backlighting
- Durable, long battery life
- BNC connection for exchange electrodes
- Hold function for freezing of measurement values, min/max function for minimum and maximum recorded measurements
- Stability recognition

Characteristics

The primary focus in the development of the new G 1000 series was placed on the essential functions of the measurement technology. Pure measurement with a focus on precision, speed and reliability packaged in a compact housing provide for the impressive price-performance ratio, Made in Germany.

The new handheld measuring devices also impress with their ergonomic, dust and water-protected design in accordance with IP 65/67 and the illuminated display. The compact pH-meter is a real alternative to pH sticks and expensive, complex devices.

Use

Aquariums, aquaculture, plant cultivation, agriculture, laboratories, quality assurance, service, groceries, etc.

Scope of delivery

- Dust-proof, water-protected handheld measuring device in accordance with IP 65/67 with BNC connection for alternating electrodes
- GE 114 WD electrode
- Calibration log
- 2x AA battery
- Operating manual

Technical data

Measurement range:	: 0.00 ... 14.00 pH
Resolution	: 0.01 pH
Accuracy (device)	: ±0.02 pH ±1 Digit (at nominal temperature of 25 °C)
Display/Backlighting	: 3-line unit, with background light, protected by an unbreakable pane, overhead display at the push of a button
Sensors/ measurement inputs	: pH electrode connectable via BNC, standard GE 114 WD Temperature compensation which can be set on the device
Electrode range of application	: 0 ... 60 °C
Operating conditions Device	: –20 ... +50 °C; 0 ... 95 % relative humidity (non-condensing), temporarily usable up to 100% relative humidity
Power supply	: 2 x AA battery, approx. 3000 h operating time
Housing	: Break-proof ABS housing
Dimensions	: 108 x 54 x 28 mm (H x W x T) without sensor connection
Weight	: 130 g (without electrode)
Connection	: BNC socket
Protection rating	: IP65/IP 67 only with electrodes with waterproof BNC connection



Electrode GE 114 WD (waterproof BNC connection)

Electrode GE 114 WD

Suitable for aquarium water, field measurements, fish breeding, sea water, swimming pool water, drinking water

Technical data

Measurement range	: 0 ... 14 pH 0 ... 60 °C
Conductivity	: >200 µS/cm
Waterproof	: Waterproof in accordance with IP 65/67
Pressure-proof	: No
Cable	: 1 m ¹⁾
Electrolyte	: Gel electrolyte
Diaphragm	: 1 x Pellon
Thread	: None
Electrode shaft	: Epoxy, Ø 12 mm x 120 mm
Characteristics	: Low cost, low maintenance
Art. no.	: 610460

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Ordering code

G1500 -

1. Option	
0	Device complete with pH electrode GE 114 WD
1	Device alone (without pH electrode)

Accessories

1.	GE 100 BNC, Art. no. 600704
	Universal electrode, pH electrode replacement
2.	GKK 252, Art. no. 601056
	Case with nap foam for universal application (235 x 185 x 48 mm)
3.	GKK 1100, Art. no. 601060
	Case with nap foam for universal application (340 x 275 x 83 mm), suitable to accommodate accessories
4.	PHL 4, Art. no. 601370
	Ready-to-use buffer solution (pH 4.01 / 25 °C), 250 ml
5.	PHL 7, Art. no.: 601371
	Ready-to-use buffer solution (pH 7.00 / 25 °C), 250 ml
6.	PHL 10, Art. no: 601373
	Ready-to-use buffer solution (pH 10.01 / 25 °C), 250 ml
7.	GAK 1400, Art. no: 603523
	Working and calibration set consisting of: 5 each of GPH 4.0, GPH 7.0 and GPH 10.0 buffer capsules, 3 x 100 ml plastic bottle GPF 100, 1 x 3 mol KCL electrolyte KCL3M and 1 x pepsin cleaning solution GRL 100.
8.	GB AA, Art. no.: 610049
	Spare battery AA (2 batteries required)

Additional beneficial accessories and services



GE 101

GE 120

GE 151

	GE 101	GE 120	GE 151
Suitable for	Soil examination, emulsions, food samples, sea water, suspensions	Food samples, sea water	Aquarium water, fish breeding, beverage, sea water, process chemistry
Measuring range	2 ... 11 pH 0 ... 60 °C	0 ... 14 pH 0 ... 60 °C	0 ... 14 pH 0 ... 80 °C
Conductivity	> 100 µS/cm	> 200 µS/cm	> 100 µS/cm
Temperature measurement	No	No	No
Waterproof	No	No	No
Pressure-proof	No	No	No
Cable	1 m ¹⁾	1 m	1 m ¹⁾
Electrolyte	3 mol/l KCl	Gel electrolyte	3 mol/l KCl
Diaphragm	2 x ceramic	2 x ceramic	1 x ceramic
Thread	Without	Without	Without
Electrode shaft	Glass, Ø 12 or 6 mm x 120 mm	PVC, Ø 22 mm x 110 mm	Glass, Ø 12 mm x 120 mm
Characteristics	Tip Ø 6 mm, small sample volume	Insert electrode, blade Ø 13 mm x 60 mm	Chemical-resistant glass shaft
Article no.	600693	600698	600727
Calibration service with calibration certificate			

¹⁾ Cable lengths of up to 5 m available on request.

Additional accessories on request or in our catalogue.