

Product Information

G 1500/1501

Waterproof pH Measuring Device G 1500 / G 1501



- 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 alternating electrodes
- including low-maintenance pH electrode GE 114 WD
- Hold function for freezing of measurement values
- min/max function for minimum and maximum recorded measurements

Features

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 distinguish an impressive price/performance ratio, Made in Germany. The new handheld measuring devices also impress with their ergonomic design, dust and water-protected design according to IP 65/67 and the illuminated display. The compact pH-meter is a real alternative to pH sticks and expensive, complex devices. The measuring device G 1500 enables measurements in the pH range; the G 1501 offers the additional option of measurements in the pH/Redox range with a temperature input (Pt1000). The measuring devices can be used in aquarium, aquaculture and surface water monitoring, plant cultivation, agricultural, laboratory, quality assurance, service and food applications.

Technical data

Measuring range	: 0.0..14.00 pH
Accuracy	: ±0.02 pH ± 1 digit (at nominal temperature of 25 °C)
Additional with G 1501	: ORP ± 1500 mV : Temperature -0.5 .. +105.0 °C
Display	: 3-line with battery status indicator, background light, protected by an unbreakable pane, overhead display at the push of a button
Sensors/ Measuring inputs	: pH electrode connectible via BNC, standard GE 114 WD Temperature compensation can be set on the device or, with G 1501, automatically via temperature input
Additional with G 1501	: ORP electrodes via BNC Temperature input Pt1000 via 2 x 4 mm socket, combination electrodes can be connected with a 4 mm plug
Operating conditions	: -20..+50 °C
Power supply	: 2x AA battery, >3000 h battery life
Ingress protection	: IP65 / IP67 (only with electrodes with waterproof BNC connection)
Housing	: Break-proof ABS housing
Dimensions	: 108 x 54 x 28 mm (H x W x T) without sensor connection
Weight w/o electrode	: approx. 130 g (G 1500), approx. 135 g (G 1501)

Electrode GE 114 WD (article no. 610460)



Low-maintenance gel electrode GE 114 WD
(waterproof BNC connection)

Technical data

Measuring range	: 0.0..14.00 pH, 0..60 °C
Conductivity	: >200 µS/cm
Waterproof	: waterproof according to IP 65/67
Pressure-proof	: no
Cable	: 1 m
Electrolyte	: Gel-Electrolyte
Diaphragm	: 1 x Pellon
Electrode shaft	: Epoxy, Ø 12 mm x 120 mm
Characteristics	: low cost, low maintenance

Product Information

G 1500/1501

Scope of delivery

- **Dust-proof, water-protected handheld measuring device according to IP 65/67 with BNC connection for changeable electrodes**
- **GE 114 WD electrode**
- **Test report**
- **2x AA battery**
- **Operating manual**

Ordering code

G 1500 1.
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1.	Option
	Device complete with pH electrode GE 114 WD
GL	Device alone (without pH electrode)
SET	Device complete with pH electrode GE 114 WD, GAK 1400 and case GKK 1001

G 1501 1.
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1.	Option
	Device complete with pH electrode GE 114 WD
G125	Device complete with pH electrode GE 125 WD (Pt1000)
GL	Device alone (without pH electrode)
SET	Device complete with electrode GE 114-WD + GF1T 3mm + GPH4.0/5+ GPH7.0/5 + 2x GPF100
SET114	Device complete with pH electrode GE 114 WD, T-sensor GF1T-T3-B-BS, GAK 1400 and case GKK 1001
SET 125	Device complete with pH electrode GE 125, GAK 1400 and case GKK 1001

Accessories

GE 100 BNC (article no. 600704)
Universal electrode, pH electrode replacement

PHL 4 (article no. 601370)
ready-to-use buffer solution (pH 4.01 / 25 °C), 250 ml

PHL 7 (article no. 601371)
ready-to-use buffer solution (pH 7.00 / 25 °C), 250 ml

PHL 10 (article no. 601373)
ready-to-use buffer solution (pH 10.01 / 25 °C), 250 ml

GAK 1400 (article no. 603523)
Working and calibration set consisting of:
5 of 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 cleaning solution GRL 100

GB AA (article no. 610049)
Spare battery AA (2 batteries required)

Case for G 1501

GKK 1001 (article no. 611604)
With recesses for device and ample room for accessories (395 x 295 x 106 mm)

GKK 1002 (article no. 411907)
With recesses for a device with sensor of G1400/G1500/G1600 series. Additional recess for temperature sensor GF1T (235 x 185 x 48 mm)

GKK 1003 (article no. 411917)
With recesses for 2 devices with sensor of G1400/G1500/G1600 series. Additional recess for temperature sensor GF1T and 2 PHL buffer and accessories (450 x 360 x 106 mm)

GKK 1100 (article no. 601060)
Case with nap foam for universal application (340 x 275 x 83 mm), suitable to accommodate accessories

Product Information

Additional accessories



GE 101 GE 120 GE 151 GE 125

	GE 101	GE 120	GE 151	GE 125
suitable for	Soil examination, food sample emulsions, sea water, suspensions	Measuring electrode for food samples	aquarium water, fish breeding, beverage, sea water, process chemistry	Low-maintenance universal pH electrode, incl. Pt1000 sensor
Measuring range	2 .. 11 pH 0 .. 60 °C	0 .. 14 pH 0 .. 60 °C	0 .. 14 pH 0 .. 80 °C	0 .. 14 pH 0 .. 70 °C
Conductivity	> 100 µS / cm	> 200 µS / cm	> 100 µS / cm	> 200 µS / cm
Temperature measurement	no	no	no	Integr. Pt100 sensor, 4mm banana connection
Waterproof	no	no	no	yes
Cable	1 m ¹⁾	1 m	1 m ¹⁾	2 m
Electrolyte	3 mol/l KCl	Gel-Electrolyte	3 mol/l KCl	Gel-Electrolyte
Diaphragm	2 x ceramic	2 x ceramic	1 x ceramic	1 x ceramic
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	Epoxy, Ø 12 mm x 120 mm
Specific details	Tip Ø 6 mm, small sample volume	Insertion electrode, blade Ø13 mm x60mm	Chemical-resistant glass shaft	Waterproof, IP67 (also BNC plug)
Article no.	600693	600698	600727	600732

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

- Additional accessories on request or in our catalogue