

**Product Information**

**G 1500/1501**

**Waterproof pH Meter  
G 1500 / G 1501**



- 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
- Sets incl. low-maintenance electrodes GE 114 WD / 135 WD
- Hold function for freezing of measurement values
- min/max function for minimum and maximum recorded measurements
- Made in Germany

**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**

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

<b>Measuring range</b>	: 0.0..14.00 pH, 0..60 °C
<b>Conductivity</b>	: >200 µS/ cm
<b>Waterproof</b>	: waterproof according to IP 65/67
<b>Pressure-proof</b>	: no
<b>Cable</b>	: 1 m
<b>Electrolyte</b>	: Gel-Electrolyte
<b>Diaphragm</b>	: 1 x Pellon
<b>Electrode shaft</b>	: Epoxy, Ø 12 mm x 120 mm
<b>Characteristics</b>	: 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 electrodes**
- **Test report**
- **2x AA battery**
- **Operating manual**
- **dep. on option with or without electrodes & accessories**

**Ordering code**

**G 1500**      1.      -     

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.      -     

1.	Option	
		Device complete with pH electrode GE 114 WD
	G135	Device complete with combi-pH-electrode GE 135 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
	SET135	Device complete with combi-pH-electrode GE 135-WD, GAK 1400 and case GKK 1001

**Accessories**

**Electrodes:**

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

**G 1501 only, not G 1500**

Universal combi-pH-electrode incl. Pt1000, pH electrode replacement, 1 m  
GE 135-WD      article no. 483292

Universal combi-pH-electrode incl. Pt1000, pH electrode replacement, 2 m  
GE 135-WD-L02      article no. 483293

Redox electrode  
GR 105-BNC      article no. 607798

**Consumables**

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

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

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

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

GAK 1400      article no. 603523

Spare battery AA 2 pcs.  
GB AA-2      article no. 479249

**Case for G 1501**

Case with recesses for device and ample room for accessories (395 x 295 x 106 mm)      GKK 1001      art. no. 611604

Case 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 1002      art. no. 411907

Case 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 1003      art. no. 411917

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

**Standard Articles**

- G 1500 alone (without pH electrode)  
G 1500-GL      art. no. 609851
- G 1500 complete with pH electrode GE 114 WD  
G 1500      art. no. 609850
- G 1500 complete with pH electrode GE 114 WD, GAK 1400 and case GKK 1001      G 1500-SET      art. no. 474035
- G 1501 alone (without pH electrode)  
G 1501-GL      art. no. 611483
- G 1501 complete with pH electrode GE 135 WD (Pt1000)  
G 1501-G135      art. no. 483290
- G 1501 complete with combi-pH-electrode GE 135-WD, GAK 1400 and case GKK 1001      G 1501-SET135      art. no. 483365

**Product Information**

**Additional accessories**



	GE 114-WD	GE 135-WD	GE 101	GE 151
suitable for	Low-maintenance universal pH electrode	Low-maintenance universal combi-pH-electrode, incl. Pt1000 sensor	Soil examination, food sample emulsions, sea water, suspensions	aquarium water, fish breeding, beverage, sea water, process chemistry
Measuring range	0 .. 14 pH 0 .. 60 °C	0 .. 14 pH 0 .. 80 °C	2 .. 11 pH 0 .. 60 °C	0 .. 14 pH 0 .. 80 °C
Conductivity	> 200 µS / cm	> 150 µS / cm	> 100 µS / cm	> 100 µS / cm
Temperature measurement	no	Integr. Pt100 sensor, 4 mm banana connection	no	no
Waterproof	yes	yes	no	no
Cable	1 m 1)	1 m (2m)	1 m 1)	1 m 1)
Electrolyte	Gel-Electrolyte	Gel-Electrolyte	3 mol/l KCl	3 mol/l KCl
Diaphragm	1x Pellon	1 x ceramic	2 x ceramic	1 x ceramic
Electrode shaft	Epoxy, Ø 12 mm x 120 mm	Epoxy, Ø 12 mm x 120 mm	Glass, Ø 12 or 6 mm x 120 mm	Glass, Ø 12 mm x 120 mm
Specific details	Waterproof, IP67 (also BNC plug)	Waterproof, IP67 (also BNC plug)	Tip Ø 6 mm, small sample volume	Chemical-resistant glass shaft
Article no.	610460	483292	600693	600727

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

- Additional accessories on request or in our catalogue