

## pH / Redox accessories

Supplementary set  
GMH 55 ES



## Accessories and spare parts:

**GMH 55 ES**

Supplementary set, including pH-electrode (GE 100 BNC), temperature probe (GTF 55 B), case (GKK 3500), working and calibration set (GAK 1400)

**GE 125-BNC**

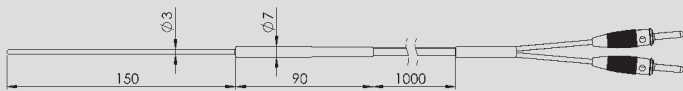
waterproof pH-electrode with integrated Pt1000 temperature sensor incl. waterproof BNC-plug and two banana plugs (p.r.t. page 48)

**GE 117-BNC**

pH-electrode with integrated Pt1000 temperature sensor (p.r.t. page 48)

**GTF 55 B**

Pt1000 temperature immersion sensor for liquids  
1 m PVC-cable with two banana plugs

**GE 100-BNC**

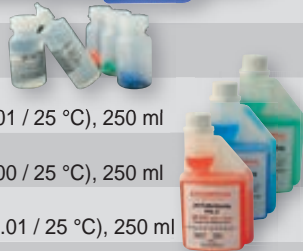
pH-electrode (p.r.t. page 48)

**GE 105-BNC**

Redox-electrode (p.r.t. p. 49)

**GAK 1400**

Working and calibration set

**PHL 4**

ready-to-use buffer solution (pH 4.01 / 25 °C), 250 ml

**PHL 7**

ready-to-use buffer solution (pH 7.00 / 25 °C), 250 ml

**PHL 10**

ready-to-use buffer solution (pH 10.01 / 25 °C), 250 ml

**KCL 3 M**

3 mol KCl electrolyte for refill or storage (filled in the protective cap) of electrodes with 3 mol KCl electrolyte. 100 ml plastic vial.

**CaCl**

1000 ml, solution for measuring the pH value of soil

**GRL 100**

Pepsin cleaning solution, 100 ml

**GRP 100**

ORP buffer solution (220 mV at 25 °C), 100 ml

**EBS 20M**

Software for long-term monitoring (p.r.t. page 77)

**GSOFT 3050**

Software for operation of logger devices (p.r.t. p. 77)

**USB 5100**

Electrically isolated interface converter with supply of device via USB

**GNG 5 / 5000**

Plug-in power supply 5 V DC, suitable for GMH 5000 - series (p.r.t. page 75)

**GKK 3500**

Device case (394 x 294 x 106 mm) with eggcrate foam and cut-outs for 1 device (p.r.t. page 72)

## pH-Meter



FUNCTIONS:



NEW

**GPH 114**

Product-ID: 604700

pH-meter ready for use incl. pH-electrode type GE 114 and battery.

## Specification:

<b>Measuring range:</b>	0.00 ... 14.00 pH with standard pH-electrode type GE 114
<b>Resolution:</b>	0.01 pH
<b>Accuracy (device):</b>	± 0.02 pH ± 1 digit (at nominal temperature 25 °C)
<b>Working conditions:</b>	0 ... 45 °C; 0 ... 80 % RH (non condensing)
<b>Storage temperature:</b>	-20 ... 70 °C
<b>Connection:</b>	BNC Bajonett
<b>pH-electrode:</b>	GE 114 (standard electrode) Combination electrode with GEL-electrolyte. Measuring range: 0-14 pH, temperature 0-90 °C, conductivity >200 µS/cm
<b>Input resistance:</b>	approx. 10 <sup>12</sup> Ohm
<b>Display:</b>	3½-digit LCD display, 13 mm high
<b>Calibration:</b>	3 turning knobs for: 1. temperature compensation 0-90 °C, 2. pH 7 value and 3. pH X value (e.g. pH 1,09, pH 4, pH 10 or pH 12, depends on working range)
<b>Power supply:</b>	9 V battery
<b>Battery service life:</b>	approx. 200 operating h
<b>EMC:</b>	The device corresponds to the essential protection ratings established in the Regulations of the Council for the Approximation of Legislation for the member countries regarding electromagnetic compatibility (2004/108/EG) Additional fault: <1 %
<b>Housing:</b>	Impact resistant ABS
<b>Dimensions:</b>	106 x 67 x 30 mm (H x W x D)
<b>Weight:</b>	approx. 200 g (incl. battery and electrode)
<b>Scope of supply:</b>	Device, pH-electrode GE 114, battery, manual

**GAK 1400**

Working and calibration set

## Features:

**Working and calibration set consisting of:**

5 buffer capsules each GPH4.0, GPH7.0 and GPH10.0, 3 x 100 ml-plastic bottle GPF100, 1 x 3 mol KCL-electrolyte KCL3M and 1 x Pepsin-cleaning agent GRL100.

GAK1400 is required if no buffer solutions are existing.

## Accessories and spare parts:

**GE 114-BNC**

Spare electrode

**GPH 114 GL**

Loose device (without accessories)

**GE 100-BNC**

Universal electrode (0-14 pH, 0-80 °C)

**GE 101-BNC**

Injection electrode (2-11 pH, 0-60 °C)

**GE 104-BNC**

pH-electrode for low-ion water (as of 25 µS/cm)

**GKK 252**

Case (235 x 185 x 48 mm) with foam lining

**GKK 1100**

Case (340 x 275 x 83 mm) with foam lining

**GB 9 V**

Spare battery

additional accessories p.r.t. p. 49