

## PRECISE PH-METER



TEMPERATURE INPUT FOR  
CONVENIENT TEMPERATURE  
COMPENSATION



- HIGHLIGHTS:
- Modern and functional housing
  - 3-line display/ overhead display at the push of a button
  - Backlit
  - Waterproof (IP65/ IP67)
  - Robust, long battery life
  - BNC connection for interchangeable electrodes
  - with redox (ORP) and temperature measurement
  - Alarm function



Connection G 1501

### G 1501

Item No: 611725

Waterproof pH/redox meter with Pt1000 input and alarm including pH electrode GE 114-WD

### G 1501-G125

Item No: 414689

Waterproof pH/redox meter with Pt1000 input and alarm, device complete with pH electrode GE 125 (PT1000)

#### GENERAL:

When developing the new G 1000 series, the focus was consciously on the essential functions of the measurement technology. Measurement with a focus on precision, speed, and reliability, packed into a compact housing, delivers an outstanding price/performance ratio. Made in Germany. The new portable instruments also have an impressive ergonomic design, are dust- and water-proof to IP 65/67, and feature a backlit display. The compact pH-Meter is the alternative to pH sticks on the one hand and to complex mid-range devices on the other. The G 1501 enables redox (ORP) measurement (with temperature-compensated conversion from the Ag/AgCl reference system to the hydrogen system in accordance with DIN 38404 Part 6, Table 1) and automatic temperature compensation when a Pt 1000 temperature sensor is connected for the measured variables pH and mV<sub>H</sub>. An optical and visual alarm signal (min/ max) is also included.

#### APPLICATION:

Aquarium and aquaculture, plant farming and agriculture, laboratories, quality assurance, service, food, ...

#### TECHNICAL SPECIFICATIONS:

Measuring range:	0.00..14.00 pH
Resolution:	0.01 pH
Accuracy (device):	± 0.02 pH ± 1 digit (at nominal temperature 25 °C)
Temperature:	
Measurement input:	2 x 4 mm banana for Pt 1000, 2-wire
Measuring range:	-5.0 .. + 105.0 °C or 23.0..221.0 °F
Accuracy:	±0.2 °C ±1 digit at (nominal temperature 25 °C)
Redox (OPR)	

Measurement input:	BNC socket (redox or pH measurement adjustable via menu)
Measuring range:	-1500..1500 mV or -1293..1707 mV <sub>H</sub>
Accuracy:	±0.1 % FS ±1 digit at (nominal temperature 25 °C)
Display:	3-line with battery level indicator, backlit, protected by break-resistant glass, overhead display at the push of a button
Sensors/measuring inputs:	pH electrode can be connected via BNC, standard GE 114 WD Temperature compensation adjustable on the device Application range electrode: 0..60 °C
Working temperature:	Display device -20 .. + 50 °C
Power supply:	2 x AA batteries, approx. 3000 h battery life
Housing:	break-proof ABS housing
Dimensions:	108 x 54 x 28 mm (H x W x D) without sensor connection
Weight:	approx. 130 g (without electrode)
Scope of delivery:	Device, electrode, test report, 2 x batteries, operating instructions

#### ACCESSORIES FOR G 1501:

- G 1501-GL**  
Item No. 611483  
Device without electrode
  - GF 1T-T3-B-BS**  
Item No. 611088  
compact Pt1000 hand probe with silicone handle
  - GR 105-BNC**  
Item No. 607798  
Redox electrode with BNC connection
  - GRP 100**  
Item No. 601424  
Redox test solution 220 mV, 100 ml
- See also: Accessories for electrodes



### G 1501-SET

Item No: 611385

Waterproof pH/redox meter with Pt1000 input and alarm, Complete set for pH/temperature measurement device complete with pH electrode GE 114-WD + GF1T 3mm + GPH4.0/5 + GPH7.0/5 + 2x GPF100

### G 1501-SET 114

Item No: 474037

Waterproof pH/redox meter with Pt1000 input and alarm, device complete with pH electrode GE 114 WD, T-sensor GF1T-T3-B-BS, GAK 1400 and case GKK 1001

### G 1501-SET 125

Item No: 474038

Waterproof pH/redox meter with Pt1000 input and alarm, device complete with pH electrode GE 125, GAK 1400 and case GKK 1001

#### GENERAL:

Cost-effective set for temperature-compensated pH measurement

#### APPLICATION:

The measuring devices can be used in the areas of aquaristics, aqua and water monitoring, plant farming, agriculture, laboratories, quality assurance. Service and applied to food

#### ACCESSORIES OR SPARE PARTS:

See also: Accessories for electrodes

### GF 1T-T3-B-BS

Item No. 611088

compact Pt1000 hand probe with silicone handle, Pt1000 class B, with 2 banana plugs

### GAK 1400

Item No. 603523

pH work and calibration set: 5 buffer capsules each GPH 4.0, GPH 7.0 and GPH 10.0, 3xGPF100, 1x KCL3M, 1X GRL 100.



### GKK 1001

Item No. 611604

Case for G1000 series water analysis universal 395 x 295 x 106 mm (W x H x D)