



APPLICATIONS:

- waters, aquaristics, fish farming
- drinking water and process monitoring, soil measurements
- food production and control
- swimming pools

INCL. PH ELECTRODE GE 114
AND BATTERY

EASY HANDLING

EXCHANGEABLE ELECTRODE

BNC CONNECTION

READY TO USE

GPH 114 WITH GE 114 PH COMBINATION ELECTRODE

pH meter

Item no. 604700

Scope of supply:

pH measuring device GPH 114, pH electrode GE 114, battery, manual

INFORMATION:

The pH value is an indicator of the acidity of a medium determined by the hydrogen ion concentration. The value pH 7 corresponds to chemically neutral, values below pH are acid, values higher than pH 7 are alkaline.

The pH value influences many biological processes in waters, e.g. the ammonia formation. The ideal value in waters is in the range of pH 7 ... 8, however, in reality values between pH 5 ... 10 also occur. Values below pH 6 are problematic for many fish species, values higher than pH 9 may lead to ammonia formation, a dangerous fish poison.



ROBUST ELECTRODE FOR

GENERAL USE

LOW COST AND LOW-MAINTENANCE

STORAGE BOTTLE IN SCOPE OF SUPPLY

GE 114

Gel-filled pH combination electrode

- measuring range: 0-14 pH
- temperature range 0-60 °C
- for conductivities > 200 µS/cm
- cable: 1 m

GPH 114 WITH GE 114 PH COMBINATION ELECTRODE

Specifications:

Measuring range:	0.00 ... 14.00 pH with standard pH electrode GE 114
Resolution:	0.01 pH
Accuracy (only device):	± 0.02 pH ± 1 digit (at nominal temperature 25 °C)
Working conditions:	0 ... 45 °C; 0 ... 80 % RH (non condensing)
Storage temperature:	-20 ... 70 °C (device) / 5 ... 25 °C (electrode, short temperature peaks might be acceptable)
Connections:	BNC bayonet
pH electrode:	GE 114 (standard electrode) combination electrode with gel electrolyte. Measuring range: 0-14 pH, temperature 0-90 °C, applicable for conductivities >200 µS/cm
Input resistance:	approx. 10 ¹² Ohm
Display:	3½-digit LCD display (approx. 13 mm high)
Calibration:	3 rotary buttons for temperature compensation 0-90 °C, pH 7 value and pH X value (i.e. pH 1.09, pH 4, pH 10 or pH 12, depending on working range)
Power supply:	9 V battery
Life time:	approx. 200 h
EMC:	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 error: <1%
Housing:	119 x 69 x 33 mm (L x W x H), weight: approx. 200 g (incl. batter and electrode)
Scope of supply:	GPH 114, GE 114 electrode, battery, manual