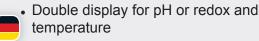
EASYBus

pH-/redox-/temperature measuring devices





- Redox mode allows for automatic conversion to a hydrogen system.
- Automatic or manual temperature compensation
- Automatic buffer detection
- rH-measurements
- · Evaluation of probe quality
- Battery and d.c. operation
- Serial interface
- Device can be used as thermometer, too

GMH 3530 without accessories

GMH 35 ES additional set

pH-electrode GE100BNC, temperature probe GTF35 (Pt100 4-wire), case GKK3500 and GAK1400

Specification:

Measuring ranges:

Temperature: -100,0 ... +250,0°C

or -148,0 ... +482,0°F 0,00 ... 14,00 pH

Redox (ORP): -1999 ... +2000 mV.

for hydrogen system (DIN38404): -1792 ... +2207 mV_u (at 25°C)

rH: 0,0 ... 70,0 rH

Accuracy: (device) ±1 digit at nominal temperature = 25°C

Temperature: ±0,2°C (-20...+80°C),

otherwise ±0.4°C

±0.01 pH Redox (ORP): ±0,1% FS (mV or mV_H)

±0,1rH Sensor connections:

Display:

Temperature: 4-pin screened Mini-DIN-socket.

for Pt100 4-wire (2-wire possible)

pH, Redox: **BNC-socket** Input resistance: (pH, Redox) 1012 Ohm

2 four digit LCDs (12.4 mm or 7 mm high)

Working temperature: 0 to +50°C Storage temperature: -20 to +70°C

Interface: serial interface, direct connection to RS232 or USB interface of a PC via electrically isolated interface converter GRS 3100 or GRS 3105 resp. USB 3100 N

Power supply: 9V-battery, type IEC 6F22 (included) as well as additional d.c. connector (internal pin Ø 1.9mm) for external 10.5-12V direct voltage supply. (suitable power supply: GNG10/3000)

Power consumption: approx. 3 mA

Housing dimensions (device): 142 x 71 x 26 mm (H x W x D), Impact-resistant ABS plastic housing, membrane keyboard. Front side IP65, integrated pop-up clip for table top or suspended use.

Weight: approx. 165 g

Functions:

Min/Max-value memory, Hold function, Auto-Off-Function, Low battery warning

Automatic temperature compensation: Automatic temp. comp. (ATC) if temperature probe is plugged in and operating mode is "pH". Temperatur compensation ragen: 0 - 105°C. Manual temperature input if no probe connected. pH-calibration: automatic buffer detection. Automatic compensation of temperature dependance of buffers.

acceptable electrode data: Asymmetry: ±55 mV Slope: 45...62 mV/pH

Sensor evaluation depending on calibration results (10 to 100%), displayed by pressing a key. Opt. 2- or 3-point-calibration with bend of the characteristics for GREISINGER-standard-buffer (pH4.01, pH7.00, pH10.01), buffers acc. to DIN19266 (A,C,D,F,G) or manual buffer entry.

Redox-Measurements(ORP):

you have 2 choices:

"mV" standard-redox- or mV-measurement "mV₊" Temp. compensated conversion to Temp. compensated conversion to hydrogen system acc. to DIN38404 part 6, table 1 based on the standard redox electrode (e.g. GE105 with Ag/AgCl system and 3mol KCl)

rH-measurement: Calculation of the rH value by means of a redox measuring and by manually entering the pH-value. The

pH-value can also be taken from a previous pH measurement.

Temperature measurements: Display of current value 12.4 mm high for thermometer mode. Min-/ Max- or Hold values can be displayed in the second 7 mm high display.

GTF 35

temperature probe, Pt100 4-wire (p.r.t. page 123)

GE 100 BNC

Standard-electrode, BNC-plug

pH electrode with integr. Pt100, without thread, BNCplug and MiniDIN-plug (suitable for GMH3530)

GNG 10/3000

plug-in power supply (recommend for logger application!)

GKK 3000

case with cut-outs for GMH3xxx

USB 3100 N

interface converter to USB, electrically isolated

software for transmission, recording and archiving measuring values obtained from 1 GMH3xxx (p.r.t. p. 62)

miscellaneous accessories (case, mains adaptors, etc.) p.r.t. p. 60 - 62

pH-electrodes

for goods and food, etc.



	GE 101	GE 120
Measurand	рН	рН
Measuring range	2 - 11 pH 0 - 60 °C	0 - 14 pH 0 - 80 °C
Conductivity	> 200 µS	> 200 µS
Temperature meas.	no	no
Water proof	no	no
Pressure resistant	no	no
Cable	1 m	1 m
Electrolyte	3 mol/l KCL	3 mol/l KCL
Thread	without	without
Application	foods, suspen- sions, ground survey, etc.	frozen food, meat, cheese, etc.
Temperature connection	-	-
Connection:		
Cinch		
BNC 🐝		

Options, upcharges:

- Cable extension

(available cable length: 1, 2, 5 und 10 m)

- Special disign types upon request (electrodes with thread, other length, special applications etc.)

Accessories:

injection aid for injection electrode GE101

GAD 1 CINCH

Adapter for the plug-in of electrodes with Cinch-plugs to devices with BNC-sockets

GAD 1 BNC

Adapter for the plug-in of electrodes with BNC-plugs to devices with Cinch-sockets.

GPF 100

Plastic bottle with wide neck, 100ml

Email: info@prctechnologies.co.th

miscellaneous accessories p.r.t. p. 37