Handheld instrument

Display / Controller

Logger- / Bus systems

Transmitter

Temperature probe

Simulators

Alarm / Protection, Level

Precision quick-response thermometer for thermocouples

ISO
AUTO OFF
BAT
HOLD
MIN MAX
O- CORR

HIGHLIGHTS:

• Serial interface

• Correction factor for surface measuring can be switched on / off

• Analog output 0 - 1 V at GMH 3210

GMH 3230 AND GMH 3250:

• 2 plug-in probes can be connected and read simultaneously

• Temperature differences

ADDITIONAL FUNCTIONS

GMH 3230:   GMH 3250:

TARA   TARA ALARM LOGG

VERY QUICK
RESPONSE TIME

GMH 3210 connection   *GMH 3250 connection*

suitable probes p.r.t. p. 24

GMH 3210
Art. no. 600337

GMH 3210-B
Art. no. 605131
Precision quick-response thermometer, accessories not included, 1 plug-in probe input

Specifications:

Thermocouples:	
GMH 3210:	J, K, N, S, T
GMH 3210-B:	B, K, N, S, T,
Resolution:	0.1 °C or 1 °C
Measuring range (depending on thermocouples):	-220 ... +1750 °C
Measuring ranges: (extract)	
Type K: (MB1)	-65.0 ... +300.0 °C
(MB2)	-220 ... +1372 °C
GMH 3210-B:	+300 ... +1750 °C
Accuracy: (extract)	
Type K: (for MB1)	±0.03 % of m.v. ±0.05 % f.s.
(for MB2)	±0.08 % of m.v. ±0.1 % f.s.
Working temperature:	-25 ... +50 °C
Probe connections:	1
Display:	two 4-digit LCDs (12.4 mm and 7 mm high)
Output:	3-pin jack connector Ø 3.5 mm, configurable
Serial interface:	direct connection to RS232 or USB interface of a PC via electrically isolated interface adapter GRS 310x or USB 3100 N (p.r.t. accessories).
Analog output:	0 ... 1 V, freely adjustable, resolution 13 bit, accuracy 0.05 % at nominal temperature
Compensation value for surface measurements:	can be set and switched on/off if required
Power supply:	9 V-battery as well as additional d.c. connector for external 10.5-12 V direct voltage supply. (suitable power supply: GNG10/3000)
Battery life:	approx. 1000 h
Housing:	impact resistant ABS plastic case, membrane keyboard, transparent panel, integrated pop-up clip
Dimensions:	142 x 71 x 26 mm (H x W x D)
Weight:	approx. 155 g
Scope of supply:	device, battery, manual

GMH 3230
Art. no. 600339
Precision quick-response thermometer, accessories not included, 2 plug-in probe inputs

GMH 3250
Art. no. 600341
Precision quick-response thermometer, accessories not included, 2 plug-in probe inputs, Data logger

Specifications:

Thermocouples:	J, K, N, S, T
Resolution:	0.1 °C or 1 °C
Measuring range:	-220°C ... +1750°C (depending on thermocouples)
Measuring ranges: (extract)	
Type K: (MB1)	-199.9 ... +999.9 °C
(MB2)	-220 ... +1372 °C
Genauigkeit: (Auszug)	
Accuracy: (extract)	
Type K: (for MB1)	±0.03 % of m.v. ±0.05 % f.s. (T ≥ -60 °C) ±0.2 % of m.v. ±0.05 % f.s. (T < -60 °C)
(for MB2)	±0.08 % of m.v. ±0.1 % f.s. (T ≥ -100 °C) ±1 °C ±0.1 % f.s. (T < -100 °C)
Probe connections:	2
Display:	two 4-digit LCD displays (12.4 mm and 7 mm high)
Serial interface:	3-pole jack socket Ø 3.5 mm, direct connection to RS232 or USB interface of a PC via electrically isolated interface adapter GRS 310x or USB 3100 N (p.r.t. accessories).
Compensation value for surface measurements:	can be set and switched on/off if required
Difference measurements:	Temperature difference probe 1 - probe 2 can be displayed if 2 probes are connected.
Logger function:	**manual:** 99 data sets (fetch data via buttons or interface) **cyclic:** 9.999 data sets (fetch data via interface) adjustable cycle time: 1 s … 1 h The logger is started or stopped by keypad or interface. The software GSOFT 3050 (see accessories) is available for comfortable read-out of logger data.

Power supply:	9 V-battery as well as additional d.c. connector for external 10.5-12 V direct voltage supply. (suitable power supply: GNG10/3000)
Battery life:	approx. 200 h
Housing:	impact resistant ABS plastic case, membrane keyboard, transparent panel, integrated pop-up clip
Dimensions:	142 x 71 x 26 mm (H x W x D)
Weight:	approx. 155 g
Scope of supply:	device, battery, manual

Accessories and spare parts:

GB 9 V
Art. no. 601115
Spare battery 9 V

GNG 10/3000
Art. no. 600273
Plug-in power supply (220 / 240 V, 50 / 60 Hz), output voltage: 10.5 V / 10 mA, suitable for devices with power supply socket

ST-N1
Art. no. 601070
Nappa leathern device protection bag with 1 rectangular cut-out for sensor connection
suitable for: GMH 3210

ST-N2
Art. no. 601072
Nappa leathern device protection bag with 2 rectangular cut-outs for sensor connection
suitable for: GMH 3230, GMH 3250

GKK 3500
Art. no. 601052
with punched lining for 1 device (394 x 294 x 106 mm)