PRECISION QUICK-RESPONSE THERMOMETER FOR THERMOCOUPLES

General specifications:

Resolution:	0.1 °C or 1 °C
Working temperature:	-25 ... +50 °C
Display:	two 4½-digit LCDs (12.4 mm and 7 mm high)
Serial interface (except GMH 3201 and GMH 3221):	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).
Data logger (GMH 3251 only):	**manual:** 1.000 data sets (fetch data via buttons or interface) **cyclic:** 10.000 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, see page 110.
Housing:	Impact-resistant ABS plastic housing, membrane keyboard, transparent panel, integrated pop-up clip
Dimensions:	142 x 71 x 26 mm (H x W x D)
Nominal temperature:	25 °C ±5 K
Weight:	approx. 155 g
Scope of supply:	device, battery, calibration protocol, manual

Features (except GMH3201 and -21):

A correction factor can be entered for each probe connection for surface measurements. This optimally corrects the temperature difference of the measured surface relative to the environmental temperature in order to receive the most precise surface measurements possible, even in applications where infrared thermometers have their shortcomings, e.g. on shiny metallic surfaces!

Accessories and spare parts:

GB 9 V
Art. no. 601115
Spare battery 9V, type IEC 6F22

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-RN
Art. no. 601074
Nappa leathern device protection bag with 2 round cut-outs for sensor connection (1 x round, 1 x rectangular)

ST-N2
Art. no. 601072
Nappa leathern device protection bag with 2 rectangular cut-outs for sensor connection

GKK 1100
Art. no. 601060
Case with punched lining for universal application, 340 x 275 x 83 mm (W x H x D)

16 CHANNEL PRECISION QUICK-RESPONSE THERMOMETER FOR THERMOCOUPLES

AUTOOFF

HOLD

ISO

LOGG

MIN MAX

O-CORR

HIGHLIGHTS:

- simultanous display of 4 inputs
- 800.000 measuring data storable
- for thermocouples type K, J, T, N, R, S, B, E

16 INTERCHANGEABLE SENSORS CONNECTABLE

HD32-8-16
Art. no. 700077
Precison-Thermocouple-Thermometer with 16 inputs and logger

General:

Ideal for complex temperature measuring tasks in which multiple temperature values must be measured, recorded and displayed at the same time.

Application:

Testing systems, drying and baking ovens, air conditioning control units, production and manufacturing processes, temperature monitoring in concrete or asphalt on roads and buildings

Specifications:

Thermocouples:	K, J, T, N, R, S, B, E
Resolution:	0.05 °C or 0.1 °C
Measuring range: (depends on thermo-couple)	Type K: -200 °C ... +1370 °C Type R: +200 °C ... +1480 °C Type J: -100 °C ... +750 °C Type S: +200 °C ... +1480 °C Type T: -200 °C ... +400 °C Type B: +200 °C ... +1800 °C Type N: -200 °C ... +1300 °C Type E: -200 °C ... +750 °C
Accuracy: (depends on thermocouple)	±0.1 ... ±0.4 °C
Number of inputs:	16
Operating conditions:	-5 ... +50 °C working temperature, -25 ... +65 °C storage temperature, 0 ... 90 % relative humidity
Logger function:	800.000 data sets
Display:	LCD display with background illumination, 128 x 64 pixel, simultaneous display of 4 inputs
Serial interface:	Communication via galvanically isolated 9-pin USB connecting cable
Power supply:	4 x 1.5 V alkaline batteries, via external 12 V DC mains adapter or via PC interface
Housing:	ABS, IP64
Dimensions:	220 x 180 x 50 mm
Weight:	1100 g
Scope of supply:	Device, DeltaLog9 Software, carrying strap, batteries, manual

Accessories and spare parts:

SWD-10
Art. no. 700039
Plug in power supply for devices of the HD-handhelds, 12 V DC 1.0 A

CP22
Art. no. 700078
Interface Converter HD32-8 <=>PC, USB

Note:
Connection cable for PC and temperature sensors (page 31) must be ordered sparately.