High Precision Temperature Indicator
for 4-Wire Pt100 Sensors

☛ **Suitable for all Pt100 4 wire probes**
☛ **High accuracy and resolution (0,01°C)**
☛ **Analogue output 0-1V or serial interface**
☛ **Offset and slope correction**
☛ **Max./min. hold function**

Additional functions of the GMH3750:

☛ **2 integrated logger functions**
☛ **Visual and audible min. /max. alarm**
☛ **User defined sensor curve (50 points)**
☛ **Real-time clock with date and year**

GMH 3710
Digitalthermometer

GMH 3750
Digitalthermometer

GMH3710: Keypad

FEATURES:

Min./Max. Value Memory: Memorising of max. and min. values.

Hold Function: Freeze the current display values at the push of a button.

Auto-Off-Function: 1...120min (can also be deactivated).

Offset and Slope Input: offset and scale factor can be entered digitally.

Additional functions of the GMH3750:

Min./Max. Alarm: the measuring value is constantly monitored and the alarm triggered if it goes outside the min./max. limits set.

Alarm: 3 different alarm settings
Off: alarm function not activated
On: visual alarm via display, integrated buzzer and interface
No Sound: alarm via display and interface

Logger functions:
Manual: 99 data sets (data recall via keyboard or interface)
Cycle: 16,200 data sets (data recall via interface)
Adjustable cycle time: 1sec. ... 1h Logger start and stop via the keyboard or interface. Easy to use read-out and display software (GSOFT3050) available as an option**.**
Real-time clock: clock with date and year

GMH3710: Display

Specifications
Measuring Range:
-199,99 ... +199,99°C or -200,0 ... + 850,0°C
-199,99 ... +199,99°F or -328,0 ... +1562,0 °F
Resolution: 0,01°C or 0,1°C
0,01°F or 0,1 °F
Linearisation: digital stored characteristic curve
GMH3750 add. supports a user defined curve.
Auto-Range: automatically or manually select the measuring range.
Accuracy: (at nominal temperature = 25°C)
< 0,03 °C at meas. range -199,99... 199,99°C
< 0,1 °C ±1 digit at meas. range 200,0... 850,0°C
Temperature Drift: < 0,002 °C / K
Probe: Pt100, 4-wire, DIN EN 60751. Probe connection via 4-pin miniature DIN-plug
Nominal Temperature: 25°C
Working Temperature: -25 to +50°C
Relative Humidity: 0 to +95%RH. (non-condensing)
Storage Temperature: -25 to +70°C
Display: two 4½ digit LCDs (12.4mm or 7mm high), with additional symbols.
Keypad: 6 membrane keys
Output: 3.5 mm stereo jack socket, choice between serial interface or analogue output
　Serial Interface: direct connection to RS232 or USB interface of a PC via electrically isolated interface adapter GRS3100.
　Analogue Output: 0...1V, freely adjustable(resolution 13bit, accuracy 0.05% at nom. temp.)
Power Supply: 9V-battery, type IEC 6F22 (included) as well as additional d.c. connector for external 10.5-12V direct voltage supply. (suitable power supply: GMH37XX-PSM)
Low Battery Warning: ⚠ and ' bAt '
Power Consumption: approx. 1 mA
Dimensions: 142 x 71 x 26 mm (H x W x D)Impact-resistant ABS plastic housing, membrane keypad. Front face IP65, integral stand/belt-clip.
Weight: approx. 155 g

Accessories:
GMHKonfig Software:
(Available free from our sales department)

Easy to use software to edit the user defined sensor curve of the GMH3750. (e.g. for calibration labaratories etc.)
with of this software probes can be adjusted to the instrument. As result an overall system accuracy of <0.03°C can be achieved depending on the measuring range.
Similar resistance curves (e.g. Ni100) can be used. The sensor curve can be stored externally and reloaded into the device.
Note: please note that for communication with the device an interface converter is required
GKK 1100 hard case (275 x 229 x 83 mm) with punched lining for either model
GRS 3100 interface converter for RS-232
GSOFT 3050 software
USB3100 Interface converter for USB

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model No.)

Model No.	Description
GMH3710	Pt100 Indicator
GMH3750	Pt100 Indicator/logger
GKK1100	Hand carrying case
GRS3100	RS232 interface converter
GSOFT3050	Datalogging software
GTF35	Class A probe -50 to 400°C 3 mm dia, 150 mm long
GTF35-1/10-250	1/10 DIN probe -50 to 250°C, 3 mm dia, 250 mm long
USB3100	USB Interface Converter
GMH37XX-CON	4-Pin mini-DIN Connector

GTF35-1/10-250, 4 WIRE, 1/10 DIN, Pt100 probe.