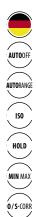
PT100 - HIGH-PRECISION THERMOMETER





HIGHLIGHTS:

- O Reference meter for any calibration requirement
- O Highest accuracy
- Resolution (0.01 °C)
- o Incl. calibration protocol

ADDITIONAL FUNCTIONS AT GMH 3750:







GMH 3710

Art. no. 600332

Pt100 - High-Precision Thermometer, Accessories not incl., 4-wire

GMH 3750

Art. no. 600335

Pt100 - High-Precision Thermometer, Accessories not incl., 4-wire, Data logger

Reference measuring device in liquids, soft media, air/gases.

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

0.01 °C or 0.1 °C Resolution:

0.01 °F or 0.1 °F

Linearisation: Curve according to DIN EN 60751.

GMH 3750 add. supports an userdefined curve.

Accuracy: (±1 digit) (at nominal

≤0.03 °C / 0.06 °F at resolution 0.01° ≤0.1 °C / 0.2 °F at resolution 0.1°

temperature = 25 °C)

Temperature drift: ≤0.002 °C / K

Probe connection: via 4-pin miniature DIN-plug, Pt100, 4-wire, in acc. to DIN EN 60751

25 ℃

Nominal temperature: -25 ... +50 °C Working temperature:

0 ... +95 % RH (non-condensing) Relative humidity:

Storage temperature:

two 4½ digit LCDs (12.4 mm or 7 mm high), as well as additio-Display:

nal arrows.

Pushbuttons: 6 membrane kevs

Output: 3-pin jack connector Ø 3.5 mm, choice between serial interface

or analog output

direct connection to RS232 or USB interface of a PC via electri-Serial interface:

cally isolated interface adapter GRS 3100 or GRS 3105 resp. USB

3100 N (p.r.t. accessories).

Analog output: freely adjustable (resolution 13 bit, accuracy 0.05 % at nominal

temperature)

9 V-battery, as well as additional d.c. connector for external Power supply:

10.5 ... 12 V voltage supply Power consumption: approx. 1 mA, approx. 300 h

Impact-resistant ABS plastic housing, membrane keyboard, Housing:

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, calibration protocol, Manual

additional at GMH 3750:

Userdefined sensor curve:

50 interpolation points (GMH 3750 only)

Logger function (GMH 3750 only):

manual: 99 data sets (fetch data via buttons or interface)

cyclic: 16.384 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 GSOFT3050 (see accessories) is available for comfortable read-out of logger data.

Accessories and spare parts:

USB 3100 N

Art. no. 601092

Interface converter

GSOFT 3050

Art. no. 601336

Operating software (p.r.t. page 109)

GNG 10 / 3000

Art. no. 600273

Power supply

ST-R1

Art. no. 601066

Device protection bag (p.r.t. page 112)

GKK 1100

Art. no. 601060

Case (340 x 275 x 83 mm) with foam lining for universal use

GMHKonfig

(visit our homepage: Download --> Software)

Software description:

Comfortable software to edit the user defined sensor curve of the GMH 3750.

(e.g. for calibration laboratories etc.)

Please note that for the interface communication with the device a interface converter (USB 3100 N) is necessary (p.r.t. page 113).