

PT100 - HIGH-PRECISION THERMOMETER

GS.GMH3710

HIGHLIGHTS:

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

APPLICATIONS:

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



SPECIFICATIONS:

Measuring range:	-199.99 ... +199.99 °C resp. -200.0 ... + 850.0 °C -199.99 ... +199.99 °F resp. -328.0 ... +1562.0 °F
Resolution:	0,01 °C resp. 0,1 °C; 0,01 °F resp. 0,1 °F
Linearisation:	Curve according to DIN EN 60751. GMH 3750 add. supports an userdefined curve.
Accuracy: (±1 digit) (at nominal temperature = 25 °C)	≤ 0.03 °C / 0.06 °F at resolution 0.01° ≤ 0.1 °C / 0.2 °F at resolution 0.1°
Temperature drift:	≤ 0.002 °C / K
Input:	probe connection via 4-pin miniature DIN-plug, Pt100, 4-wire, in acc. to DIN EN 60751
Nominal temperature:	25 °C
Working temperature:	-25 ... +50 °C
Relative humidity:	0 ... +95 % RH (non-condensing)
Storage temperature:	-25 ... +70 °C
Display:	two 4½ digit LCDs (12.4 mm or 7 mm high), as well as additional arrows.
Pushbuttons:	6 membrane keys
Output:	3-pin jack connector Ø 3.5 mm, choice between serial inter- face or analog output
serial interface:	direct connection to RS232 or USB interface of a PC via electrically isolated interface adapter GRS 3100 or GRS 3105 resp. USB 3100 N (p.r.t. accessories).
analog output:	0 ... 1 V, freely adjustable (resolution 13 bit, accuracy 0.05 % at nominal temperature)
Power supply:	9 V-battery, as well as additional d.c. connector for external 10.5-12 V voltage supply.
Power consumption:	approx. 1 mA, approx. 300 h
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)
Weight:	approx. 155 g
Scope of supply:	Device, battery, calibration protocol, manual

ACCESSORIES AND SPARE PARTS:

USB 3100 N <i>Art. no. 601092</i> interface converter
GSOFT 3050 <i>Art. no. 601336</i> operating software (p.r.t. page 97)
GNG 10 / 3000 <i>Art. no. 600273</i> power supply
ST-R1 <i>Art. no. 601066</i> device protection bag (p.r.t. page 93)
GKK 1100 <i>Art. no. 601060</i> 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.)
Note: please note that for the interface communication with the device a interface converter (USB 3100 N) is necessary (p.r.t. page 94).

Le caratteristiche dichiarate possono cambiare senza alcun preavviso



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