

Precision Thermometer Pt1000



FUNCTIONS:



PLUG-IN PROBE, BATTERY AND PERMANENT MAINS OPERATION POSSIBLE

GMH 175

Precision Thermometer with 3.5 mm jack connector
Battery/mains operation, for plug-in probes, Pt1000 2-wire

Application:	high-precision measurements in liquids, soft media, air/gases
Specifications:	
Measuring range:	-199.9 ... +199.9 °C
Resolution:	0.1 °C
Accuracy: (at nominal temperature = 25 °C)	
Device:	0.1 °C ± 1 digit (within range of: -70.0 ... +199.9 °C)
Probe:	Pt1000 probe, 2-wire, probe connection via 3.5 mm Ø jack connector (p.r.t. next page).
Display:	3½ digit, LCD display approx. 13 mm high
Working temperature:	-30 ... +45 °C (low temperature - for use in cold storage rooms!)
Storage temperature:	-30 ... +70 °C
Power supply:	9 V-Battery (included) as well as additional d.c. connector for external 10.5-12 V direct voltage supply. (suitable power supply: GNG10/3000)
Battery service life:	approx. 200 operating hours
Housing:	impact resistant ABS plastic case, membrane keyboard, transparent panel, front side IP65, integrated pop-up clip
Dimensions:	approx. 142 x 71 x 26 mm (H x W x D).
Weight:	approx. 160 g (incl. battery)
Scope of supply:	Device, battery, manual
Accessories and spare parts:	
GB 9 V	spare battery
ST-R1	device protection bag with cut-out for probe connection

Resistance temperature measurement Pt1000



FUNCTIONS:



GHM 285-KS

NEW

HIGHLIGHTS:

- Backlight
- Alarm
- Plug-in probe
- Battery or mains operation

GMH 285

Alarm thermometer with 3.5 mm jack socket

GMH 285-BNC

Alarm thermometer with BNC socket



Features:	High precision, alarm, backlight and many other features characterize this device as a true all-rounder. The alarm function additionally allows for acoustic monitoring of the set temperature boundaries. The serial interface in combination with GAM 3000 can be used for switching additional alarm devices or realizing basic control processes.
Application:	Highly accurate measurements over a large measuring range in liquids, soft media, air/gases. Used for e.g. measurement in agriculture, quality control, laboratory, food production, etc.
Specifications:	
Measuring range:	-200.0 °C ... 400.0 °C or -200.0 °F ... 752.0 °F
Resolution:	0.1 °C or 0.1 °F
Accuracy: (at nominal temperature = 25 °C)	
Device:	±0.1 °C ±1 digit (at range from -100.0 ... 200.0 °C) else ±0.1 % of m.v. ±1 digit
Probe:	Pt1000 sensor, 2-wire, probe connection via jack plug 3.5 mm Ø or BNC (GMH 285-BNC) (see next page).
Measuring frequency:	2 measurements/s
Display:	4½ digit LCD display (13 mm) with additional segments, wide-area backlight, duration can be adjusted
Nominal temperature:	25 °C
Working temperature:	-25 ... +50 °C
Storage temperature:	-25 ... 70 °C
Power supply:	9 V battery (included) or additionally supply socket for external 10.5-12 V DC supply. (suitable power adapter: GNG10/3000)
Battery lifetime:	
Current, measurement:	< 0.2 mA (battery lifetime with alkaline battery more than 1500 hours!)
Backlight:	<5 mA, if „BAT“-warning is active it gets automatically switched off
Housing:	impact-resistant ABS, membrane keypad, transparent panel, front side IP65, integrated pop-up clip for table top or suspended use
Dimensions:	without BNC socket: 142 x 71 x 26 mm (H x W x D) BNC socket: approx. 13 mm long
Weight:	approx. 170 g (incl. battery)
EMC:	The device corresponds to the essential protection ratings established in the Regulations of the Council for the Approximation of Legislation for the member countries regarding electromagnetic compatibility (2004/108/EG) Additional fault: <1 %
Scope of supply:	Device, battery, manual
Accessories and spare parts:	
GAM 3000	Switching module for devices of the GMH3xxx series with alarm output
ST-R1	device protection bag with cut-out for probe connection