

## PRECISION THERMOMETER PT1000



FUNCTIONS:



### GMH 175

Product-ID: 600054

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:

<b>Measuring range:</b>	-199.9 ... +199.9 °C
<b>Resolution:</b>	0.1 °C
<b>Accuracy: (at nominal temperature = 25 °C)</b>	
<b>Device:</b>	0.1 °C ± 1 digit (within range of: -70.0 ... +199.9 °C)
<b>Display:</b>	3½ digit, LCD display approx. 13 mm high
<b>Working temperature:</b>	-30 ... +45 °C (low temperature - for use in cold storage rooms!)
<b>Storage temperature:</b>	-30 ... +70 °C
<b>Power supply:</b>	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)
<b>Battery service life:</b>	approx. 200 operating hours
<b>Housing:</b>	impact resistant ABS plastic case, membrane keyboard, transparent panel, front side IP65, integrated pop-up clip
<b>Dimensions:</b>	approx. 142 x 71 x 26 mm (H x W x D)
<b>Weight:</b>	approx. 160 g (incl. battery)
<b>Scope of supply:</b>	Device, battery, manual

#### Accessories and spare parts:

##### GB 9 V

Product-ID: 601115  
spare battery

##### ST-R1

Product-ID: 601066  
device protection bag with cut-out for probe connection

## RESISTANCE TEMPERATURE MEASUREMENT PT1000



FUNCTIONS:



GHM 285-KB



### GMH 285-KB

Product-ID: 605506

Alarm thermometer with 3.5 mm jack socket, without accessories

### GMH 285-BNC

Product-ID: 605507

Alarm thermometer with BNC socket, without accessories

#### General:

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:

<b>Measuring range:</b>	-200.0 °C ... +400.0 °C or -200.0 °F ... +752.0 °F
<b>Resolution:</b>	0.1 °C or 0.1 °F
<b>Accuracy: (at nominal temperature = 25 °C)</b>	
<b>Device:</b>	±0.1 °C ±1 digit (at range from -100.0 ... +200.0 °C) else ±0.1 % of m.v. ±1 digit
<b>Probe:</b>	Pt1000 sensor, 2-wire, probe connection via jack plug 3.5 mm Ø or BNC (GMH 285-BNC) (see next page).
<b>Measuring frequency:</b>	2 measurements/s
<b>Display:</b>	4½ digit LCD display (13 mm) with additional segments, wide-area backlight, duration can be adjusted
<b>Working temperature:</b>	-25 ... +50 °C
<b>Storage temperature:</b>	-25 ... +70 °C
<b>Power supply:</b>	9 V battery (included) or additionally supply socket for external 10.5-12 V DC supply. (suitable power adapter: GNG10/3000)
<b>Battery lifetime:</b>	
<b>Current measurement:</b>	< 0.2 m (battery lifetime with alkaline battery more than 1500 hours!)
<b>Backlight:</b>	<5 mA, if „BAT“-warning is active it gets automatically switched off
<b>EMC:</b>	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 %.
<b>Housing:</b>	impact-resistant ABS, membrane keypad, transparent panel, front side IP65, integrated pop-up clip for table top or suspended use
<b>Dimensions:</b>	without BNC socket: 142 x 71 x 26 mm (H x W x D) BNC socket: approx. 13 mm long
<b>Weight:</b>	approx. 170 g (incl. battery)
<b>Scope of supply:</b>	Device, battery, manual

#### Accessories and spare parts:

##### GAM 3000

Product-ID: 601132

Switching module for devices of the GMH3xxx series with alarm output

##### ST-R1

Product-ID: 601066

device protection bag with cut-out for probe connection