Handheld instrument

Display/Controller

Logger/EASYBus

Transmitter

Temperature probe

Simulator

Alarm/Protection, Level

PRECISION THERMOMETER PT1000

FUNCTIONS:

(BAT)

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:

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)
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
Product-ID: 601115
spare battery

ST-R1
Product-ID: 601066
device protection bag with cut-out for probe connection

RESISTANCE TEMPERATURE MEASUREMENT PT1000

FUNCTIONS:

(ALARM) (AUTO OFF) (BAT) (HOLD) (MIN MAX) (💡)

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:

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
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 m (battery lifetime with alkaline battery more than 1500 hours!)
Backlight:	<5 mA, if ‚BAT'-warning is active it gets automatically switched off
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 %.
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)
Scope of supply:	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

BACKLIGHT