

Resistance temperature measurement Pt1000



GMH 285-KB

HIGHLIGHTS:

- Background illumination
- Alarm function



BACKLIGHT

GMH 285-KB

Art. no. 605506

Alarm thermometer with 3.5 mm jack socket, without accessories

GMH 285-BNC

Art. no. 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

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 life:

Current measurement: < 0,20 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, 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**

Art. no. 601132

Switching module for devices of the GMH3xxx series with alarm output

ST-R1

Art. no. 601066

device protection bag with cut-out for probe connection

GKK 252

Art. no. 601056

with foam lining for universal use (235 x 185 x 48 mm)

Soil thermometer

1M ROBUST PROBE MADE OF
STAINLESS STEEL**SoilTemp 285**

Art. no. 605849

Soil thermometer

General:

The universal display device combined with an extremely robust, but yet ergonomic T-handle probe made of stainless steel allows for multiple measurements in soils or bulk materials.

Application:

Silo checking, measurements in soils, waste dumps, silages, compost, etc. The alarm function additionally allows for acoustic monitoring of the selected temperature boundaries. The serial interface in combination with GAM 3000 can be used for switching additional alarm devices or realizing basic control processes. The device is also supplied by the GAM 3000: continuous operation possible.

Specifications:

Device: GMH 285-BNC

Probe connection: BNC, Pt1000, 2-wire

Measuring range: -50.0 ... +250.0 °C

Measuring rod: Stainless steel, 1000 mm x Ø 10 mm, 1 m connection cable with BNC plug, 350 g, probe handle designed for comfortable use

Scope of supply: Device, GTF 40 T, battery, manual

Accessories and spare parts:**GMH 285-BNC**

Art. no. 605507

Alarm thermometer with BNC socket

GTF 40 T-620

Art. no. 606803

Stainless steel insertion probe, FL 620 mm,
with 1 m cable and BNC plug

GTF 40 T-1000

Art. no. 606791

Stainless steel insertion probe, FL 1000 mm,
with 1 m cable and BNC plug

GTF 40 T-1500

Art. no. 606792

Stainless steel insertion probe, FL 1500 mm,
with 1 m cable and BNC plug

GAM 3000

Art. no. 601132

Switching module for devices of GMH3xxx series
with alarm output

ST-R1-US

Art. no. 605929

Device protection bag with cut-outs for sensor connector
with strap



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