

## PRECISION ROOM THERMOMETER



**COMFORTABLE  
HANDLING WITH ONLY ONE HAND**

### GTH 200 air

Product-ID: 600251  
Precision room thermometer

#### General:

The exposed but yet protected temperature sensor provides fast and precise measurements of  $\pm 0.2\text{ }^{\circ}\text{C}$  (at  $20\text{ }^{\circ}\text{C}$ ). The device has undergone a streamlining process and is optimized to its key features, ensuring a comfortable and efficient handling with only one hand.

#### Application:

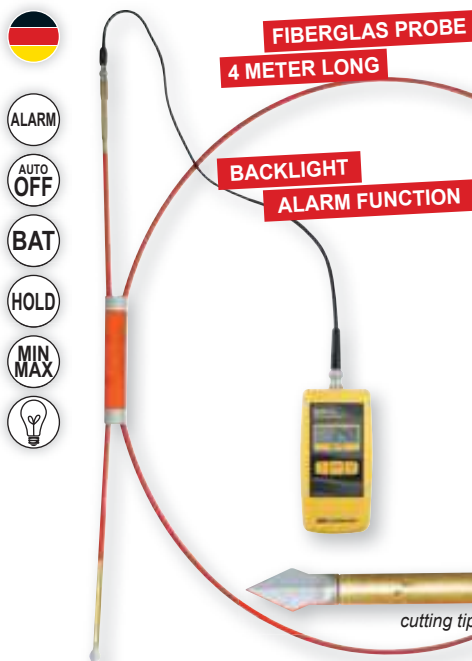
The room thermometer GTH 200 air is an essential tool for fast and precise temperature measurements in

- calibration rooms
- production / computer rooms
- living space
- laboratories, etc.

#### Specifications:

<b>Measuring range:</b>	-25.0 ... +70.0 $^{\circ}\text{C}$
<b>Resolution:</b>	0.1 $^{\circ}\text{C}$
<b>Accuracy:</b>	( $\pm 1$ digit) (at nominal temperature) $\pm 0.5\%$ of meas. value $\pm 0.1\text{ }^{\circ}\text{C}$
<b>Sensor:</b>	Pt 1000, 1/3 DIN class B
<b>Response time:</b>	$T_{90}$ = approx. 5 s
<b>Display:</b>	4½ digit, 11 mm high LCD-display
<b>Nominal temperature:</b>	25 $^{\circ}\text{C}$
<b>Working temperature:</b>	-20 ... +70 $^{\circ}\text{C}$
<b>Working humidity:</b>	0 ... 95 % RH (non condensing)
<b>Storage temperature:</b>	-25 ... +70 $^{\circ}\text{C}$
<b>Power supply:</b>	9 V battery
<b>Current consumption:</b>	max. 0.1 mA
<b>Battery service time:</b>	approx. 6000 operating hours with alkaline battery
<b>Housing:</b>	impact-resistant ABS housing
<b>Dimensions:</b>	approx. 106 x 67 x 30 mm (H x W x D), additionally the sensor head at the front side, 35 mm long, $\varnothing$ 14 mm, resulting total length 141 mm
<b>Weight:</b>	approx. 135 g incl. battery
<b>Scope of supply:</b>	device, battery, manual

## HAY THERMOMETER



### HayTemp 285

Product-ID: 605848  
Hay thermometer

#### General:

Stored hay or straw, etc. is prone to overheating (depreciation) or even self-ignition, because of biological processes. This problem is even emphasized with higher moisture contents. Therefore a regular temperature check is crucial. The HayTemp 285 optimally supports farmers as well as firefighters in silo check.

#### Application:

Measurements at depth up to 4 m. 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:

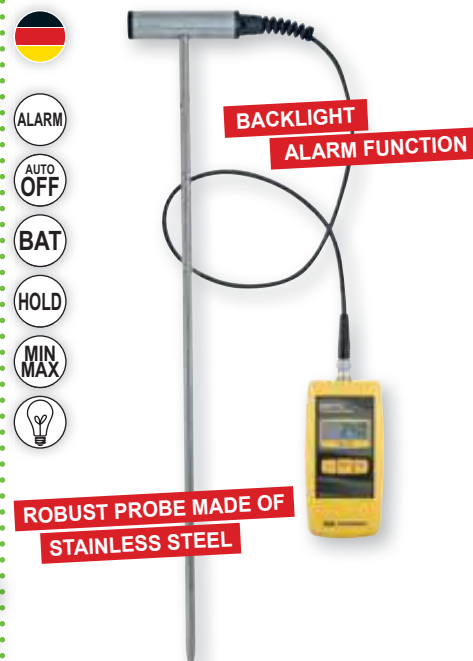
<b>Device:</b>	GMH 285-BNC, see page 12
<b>Probe connection:</b>	BNC, Pt1000, 2-wire
<b>Measuring rod:</b>	Fiberglass probe, approx. 4 m long, approx. 10 mm $\varnothing$ , 1 measuring point at probe tip
<b>Cutting tip:</b>	screwable, double-edged tip with integrated temperature sensor
<b>Weight:</b>	Measuring rod with cutting tip approx. 600 g
<b>Scope of supply:</b>	Device, fiberglass rod, probe tip Pt1000, BNC cable (1.5 m), battery, manual

#### Accessories and spare parts:

- **GMH 285-BNC**  
Product-ID: 605507  
Alarm thermometer with BNC socket
- **Fiberglasrohr**  
Product-ID: 604407  
4 m, without probe and without tip
- **Sondenspitze**  
Product-ID: 604537  
with integrated temperature sensor
- **Cable BNC/BNC**  
Product-ID: 602855  
Connection cable with 1.5 m length
- **ST-R1-US**  
Product-ID: 605929  
Device protection bag with cut-outs for sensor connector and strap

Instruments for hay and straw humidity measurements: see BaleCheck Seite 38!

## SOIL THERMOMETER



### SoilTemp 285

Product-ID: 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:

<b>Device:</b>	GMH 285-BNC, see page 12
<b>Probe connection:</b>	BNC, Pt1000, 2-wire
<b>Measuring range:</b>	-50.0 ... +250.0 $^{\circ}\text{C}$
<b>Measuring rod:</b>	Stainless steel, 1000 mm x $\varnothing$ 10 mm, 1 m connection cable with BNC plug, 350 g, probe handle designed for comfortable use
<b>Scope of supply:</b>	Device, GTF 40 T, battery, manual

#### Accessories and spare parts:

- **GMH 285-BNC**  
Product-ID: 605507  
Alarm thermometer with BNC socket
- **GTF40T-620**  
Product-ID: 606803  
Stainless steel insertion probe, FL 620 mm, with 1 m cable and BNC plug
- **GTF 40 T-1000**  
Product-ID: 606791  
Stainless steel insertion probe, FL 1000 mm, with 1 m cable and BNC plug
- **GTF 40 T-1500**  
Product-ID: 606792  
Stainless steel insertion probe, FL 1500 mm, with 1 m cable and BNC plug
- **GAM 3000**  
Product-ID: 601132  
Switching module for devices of GMH3xxx series with alarm output
- **ST-R1-US**  
Product-ID: 605929  
Device protection bag with cut-outs for sensor connector and strap