

## PRECISE PT 1000 UNIVERSAL THERMOMETER



## HIGHLIGHTS:

- Modern and functional housing
- 3-line display / overhead display at the push of a button
- Backlighting
- Alarm function
- Waterproof (IP65 / IP67)
- Durable, long battery life

G 1710, G 1720, G 1730 WITH PERMANENTLY CONNECTED SENSOR SEE PAGE 24



Connection

DURABLE AND AFFORDABLE

## G 1700

Art. no. 609826

Waterproof alarm thermometer for exchangeable probes BNC, without sensor

## General:

The primary focus in the development of the new GMH 1000 series was placed on the essential functions of the measurement technology. Pure measurement with a focus on precision, speed and reliability packaged in a compact housing distinguish an impressive price/performance ratio. Made in Germany.

The new handheld measuring devices also impress with their ergonomic design, dust and water-protected design in accordance with IP 65/67 and the illuminated display. The compact thermometer is available with a practical BNC connection for interchangeable sensors. The device redefines our entry-level measurement class - calibration log included.

## Application:

The highest-precision measurements in liquids and in air, for measurement of core temperatures (with insertion sensor); laboratories, quality assurance, service, food, etc.

## Specifications:

<b>Measuring range:</b>	-200.0 ... +450.0 °C (-328.0 ... +842.0 °F) with plug-in sensor (Observe the permissible range of application of the sensor that is used!)
<b>Accuracy (device): (at nominal temperature = 25 °C)</b>	-20 ... +100 °C: ±0.1 K ±1 digit otherwise 0.1 % of m. v. ±2 digits
<b>Operating conditions:</b>	-20 ... +50 °C; 0 ... 95 % RH (non-condensing)
<b>Display:</b>	3-line unit incl. battery change indicator, with background light, protected by an unbreakable pane, overhead display at the push of a button
<b>Power supply:</b>	2 x AA battery, >5000 h operating time
<b>Sensor:</b>	Pt1000 2-wire can be used with BNC connection
<b>Protection rating:</b>	IP65 / IP67 (only with sensors identified as waterproof in the connected state)
<b>Housing:</b>	break-proof ABS housing
<b>Dimensions:</b>	108 x 54 x 28 mm (H x W x D) without sensor connection
<b>Weight:</b>	130 g (without sensor)
<b>Scope of supply:</b>	Device, calibration protocol, 2 x battery, manual

## Accessories and spare parts:

## GF 1T-T3-B-BNC

Art. no. 609549

Pt1000 handheld sensor, Pt1000 Class B, with BNC connector, Ø 3 mm, p.r.t. page 22

## GF 1T-E3-B-BNC

Art. no. 609639

Pt1000 handheld sensor, Pt1000 Class B, with BNC connector, Ø 3 mm, p.r.t. page 23

## GF 1T-E1.5-B-BNC

Art. no. 609645

Extra-thin Pt1000 insertion sensor, Pt1000 Class B, with BNC connector, Ø 1.5 mm, p.r.t. page 23

## ST-G1000

Art. no. 611373

Device protection bag with 1 round cut-out

## GB AA

Art.-Nr: 610049

Spare battery Mignon (AA) 1,5 V (2 batteries required)

Further sensors see page 21-23

## SUITABLE PT1000 - MEASURING PROBES, 2-WIRE

## Accuracy Pt1000:

sensor accuracy acc. to DIN EN 60751

**DIN cl. B:** (area of validity: -50 ... +500 °C)

±0.3 °C at 0 °C

**DIN cl. A:** (area of validity: -30 ... +300 °C)

±0.15 °C at 0 °C

**DIN cl. AA = 1/3 DIN cl. B:** (area of validity: 0 ... +150 °C)

±0.1 °C at 0 °C

## Upcharges special designs: (Deviations are possible based on the construction)

## longer probe tube

upcharge per further starting 100 mm

## longer cable (silicone)

upcharge per further starting meter

## other cable material upon request

## Probe tube with Teflon coating

(for probes up to 200 mm)

(for probes used in acids and salt water, upper temperature range 250 °C)

## casted waterproof probe handle

(only possible with PVC cable -20 ... +105 °C)

## higher sensor accuracy:

DIN cl. AA, for Pt1000, tolerances: 0.1 °C at 0 °C

## higher sensor accuracy:

1/10 DIN cl. B, for Pt1000-probes, tolerances: 0.03 °C at 0 °C

## basic fee for custom made probe

All types of probes also available for Pt100 2- / 3- or 4-wire connection  
We manufacture all types of probes according to your special desires - low priced and fast. Please contact us.

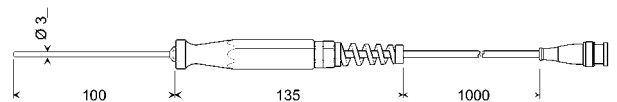


## GTF 175-BNC

Art. no. 607165

Immersion probe for liquids / gases

-70 ... +250 °C, Pt1000 cl. B



non-corrosive V4A tube, Ø 3 mm, plastic handle, anti-buckling glanding, 1 m highly flexible silicone cable, BNC connector

**Response time T<sub>90</sub>:** water 0.4 m/s <2 s, air 2 m/s approx. 40 s

**Advantages of sheath element Pt1000:**

- high temperature resistance
- sheath cable is bendable
- high shock resistance
- high service life

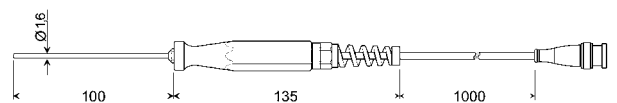


## GTF 175 / 1.6-BNC

Art. no. 611323

Immersion probe with sheath element Pt1000

-70 ... +250 °C, Pt1000 cl. B



stainless steel tube (V4A), flexible, Ø 1.6 mm, plastic handle, anti-buckling glanding, 1 m highly flexible silicone cable, BNC connector

**Response time T<sub>90</sub>:** water 0.4 m/s <2 s, air 2 m/s approx. 25 s

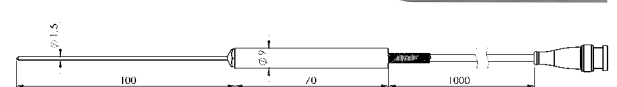


## GES 20-T-B-BNC

Art. no. 607377

Core temperature- / food probe with compact teflon handle

-200 ... +250 °C, Pt1000 cl. B



V4A tube with Ø 1.5 mm slim insertion tip, small teflon handle, stainless steel kink protection, 1 m Teflon cable, BNC connector

**Response time T<sub>90</sub>:** water 0.4 m/s <1 s, air 2 m/s approx. 12 s