Precise universal thermometer

ALARM

AUTO OFF

BAT

HOLD

MIN MAX

O/S- CORR

NEW!

Ø 3 MM

Ø 3 MM

Ø 1,5 MM

DURABLE AND AFFORDABLE

G 1710   G 1720   G 1730

HIGHLIGHTS:

- *Modern and functional housing*
- *Outstanding price/performance ratio*
- *3-line display / overhead display at the push of a button*
- *Backlighting*
- *Alarm function*
- *Waterproof (IP65 / IP67)*
- *Durable, long battery life*
- *High-quality sensors: complete with Pt1000 handheld sensor (up to 250 °C incl. handle and cable!) or alternative with connection for interchangeable sensors*

Connection G 1700

G 1700
Art. no. 609826
Precise universal thermometer, with BNC connection, without sensor

G 1710
Art. no. 609828
Precise universal thermometer with permanently connected immersion sensor, Ø 3 mm

G 1720
Art. no. 609829
Precise universal thermometer with permanently connected insertion sensor, Ø 3 mm

G 1730
Art. no. 609832
Precise universal thermometer with permanently connected insertion sensor, Ø 1.5 mm

General:

The primary focus in the development of the new GMH 1000 series was place 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 interchange-able sensors or as a complete device including sensor with maximum overall precision.
The device redefines our entry-level measurement class - calibration log included.
The matching sensors can be used at temperatures of up to 250 °C (incl. handle and cable) and are distinguished by their compact design and small tube diameter. Integrated: High-quality Pt1000 sensors.

Application:

The highest-precision measurements in liquids and in air, for measurement of core temperatures (with insertion sensor); sensor handle and cable temperature range of up to 250 °C (permanent use temperature of 230 °C); laboratories, quality assurance, service, food, etc.

Specifications:

Measurement range:	-70.0 ... +250.0 °C (-94.0 ... +482.0 °F) with permanently connected Pt1000 sensor; -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!)*
Accuracy: (at nominal temperature = 25 °C)	
G 1700 (device only):	-20 ... +100 °C: ±0.1 K ±1 digit otherwise 0.1 % of m. v. ±2 digits
G 1710 / 20 / 30 (Device + sensor):	-20 ... +100 °C: ±0.1 K ±1 digit -70 ... +250 °C: ±0.2 % of m. v. ±2 digits
Operating conditions:	-20 ... +50 °C; 0 ... 95 % r.h. (non-condensing)
Display / backlighting:	3-line unit, with background light, protected by an unbreaka-ble pane, overhead display at the push of a button
Power supply:	2 x AA battery, >5000 h operating time

Sensor

G 1700:	Pt1000 2-wire can be used with BNC connection
G 1710:	Immersion sensor Ø 3 mm, Pt1000 permanent 2-wire connection, V4A, 1 m cable
G 1720:	Durable insertion sensor Ø 3 mm, Pt1000 permanent 2-wire connection, V4A, 1 m cable
G 1730:	Extra-thin insertion sensor Ø 1.5 mm, Pt1000 permanent 2-wire connection, V4A, 1 m cable
Response time:	Ø 3 mm: Water 0.4 m/s <2 s; Ø 1.5 mm: Water 0.4 m/s <1 s
Protection rating:	IP65 / IP67 (only with sensors identified as waterproof in the connected state for devices with BNC connection)
Housing:	Break-proof ABS housing
Dimensions:	108 x 54 x 28 mm (H x W x T) without sensor connection
Weight:	130 g (without sensor)
Scope of supply:	Device with integrated sensor (except for G 1700), calibrati-on log, 2 x battery, operating 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

GF 1T-E3-B-BNC
Art. no. 609639
Pt1000 insertion sensor, Pt1000 Class B, with BNC connector, Ø 3 mm

GF 1T-E1.5-B-BNC
Art. no. 609645
Extra-thin Pt1000 insertion sensor, Pt1000 Class B, with BNC connector, Ø 1.5 mm

GB AA
Art.-Nr: 610049
Spare battery AA (2 batteries required)