

High accuracy and precision for a minimum of price

Komplett-offerings p.r.t. page 3



DIGITAL-PRECISION POCKET THERMOMETER

GTH 175/Pt

Battery operation, complete with probe

Application: high-precision measurements in liquids, core measurements (using insertion probe), for air/gases or as reference device for calibrating other, more expensive systems!

Specification:

Measuring range: -199,9 ... +199,9 °C

Resolution: 0,1°C

Accuracy: (at nominal temperature = 25°C) 0,1 % o.m.v. ±2 digit (within range of: -70,0...+199,9°C), probe is calibrated to the device, i.e. the error in the range of 0 to 100°C will be approx. 0,1 °C ± 1 digit.

Probe: Pt1000, 2-wire, electrically isolated and mounted in st. steel tube (1.4571) 3 mm Ø and approx. 100 mm long, plastic handle approx. 135 mm long, anti-buckling glanding and 1m of highly flexible silicone cable - permanently connected to the device.

Display: 3½ digit LCD, approx. 13mm high

Working temperature: -30 to 45 °C (low temperature - for use in cold storage rooms)

Storage temperature: -30 to +70 °C

Power supply: 9V battery type IEC 6F22 (incl).

Battery service life: approx. 200 operating h

Low battery warning: „BAT“

Dimensions: approx. 150 x 86 x 30 mm (H x W x D), impact resistant ABS plastic case

Weight: approx. 190g (incl. battery and probe)

GTH 175/Pt-E

(core temperature measuring instrument)

Specification: refer to GTH 175/Pt

however with insertion probe vor all soft media.

GTH 175/Pt-K

(core temperature measuring instrument)

Specification: refer to GTH 175/Pt

however with probe with teflon handle and teflon cable. Both handle and cable are resistant to air temperature of up to a max. of 200°C and can remain in the oven.

special design types:

probe cable in another length, waterproof handle.
op un request

High accuracy and precision, plug-in probe, battery and permanent mains operation possible



DIGITAL-PRECISION THERMOMETER

GMH 175

Battery/mains operation, for plug-in probes, Pt1000 2-wire

Application: high-precision measurements in liquids, soft media, air/gases

Specification:

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)

Probe: Pt1000 probe, 2-wire, probe connection via 3.5 mm Ø jack connector. Probes not included - please order separately!

For suitable, volt-free sensors see below or refer to page 88.

Display: 3½ digit LCD, approx. 13mm high

Working temperature: -30 to 45 °C (low temperature - for use in cold storage rooms)

Storage temperature: -30 to +70 °C

Power supply: 9V battery type IEC 6F22 (included) as well as additional d.c. connector (internal pin Ø 1.9mm) for external 10.5-12V direct voltage supply. (suitable power supply: GNG10/3000)

Battery service life: approx. 200 operating h

Low battery warning: „BAT“ displayed automatically in case of low voltage

Dimensions: approx. 142 x 71 x 26 mm (H x W x D), impact resistant ABS plastic case, front side IP65, integrated pop-up clip for table top or suspended use.

Weight: approx. 160 g (incl. battery)

Accessories:

Suitable plug-in temperature probes: (Probes interchangeable without recalibration!)

GTF 175 immersion probe for liquids and aggressive gases

GES 175 insertion probe for soft media

GOF 175 surface probe for any solid surface

GLF 175 air/gas probe for clean media

Detailed description and more probes please refer to page 88

miscellaneous accessories p.r.t. page 35

Reference device for calibrating/checking any thermometer system



MICROPROCESSOR PRECISION THERMOMETER

GMH 2000

Battery/mains operation, serial interface, for plug-in probes, Pt100 (4-wire)

Application: reference measurements in liquids, soft media, air/gases.

Specification:

Measuring range: -199,9... +650,0°C resp. -199,9 ... +999,9 °F

Resolution: 0,1°C resp 0,1°F

Accuracy: (at nominal temperature = 25°C) device: ≤ 0,03% f.s. ± 1 digit

Probe: Pt100, 4-wire, probe connection via 4-pin miniature DIN-plug. Probes not included - please order separately!

For suitable, volt-free sensors please refer to page 87.

Display: three 4-digit LCD-displays, (12,4 resp. 7mm high)

Working temperature: 0 to 50 °C

Storage temperature: -20 to +70 °C

Power supply: 9V battery type IEC 6F22 (included) as well as over power supply connector for 2.5 mm jack connector.

(suitable power supply: GNG09)

Power consumption: < 10mA (15-35mA GMH2000SA)

Low battery warning: „BAT“ displayed automatically in case of low voltage

Change indicator: for rising or falling temperatures an arrow is displayed.

Probe damage display: display value disappears.

Min-/max-value memory: continuously displayed and constantly updated

Serial interface: RS232 compatible, with external interface adapter GRS232

Dimensions: approx. 150 x 86 x 30 mm (HxWxD), Impact resistant ABS plastic case with integrated pop-up clip for table top or suspended use

Weight: approx. 250 g (incl. battery)

GMH 2000 SA

with voice output, without °F-display

Specification: refer to GMH2000

Accessories:

temperature probes (p.r.t. p. 87)

GRS232 interface adapter for connection to an RS232-interface (Software can downloaded free from our homepage)

miscellaneous accessories p.r.t. page 35