

High accuracy and precision for a minimum of price!



### 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:** 0,1 % of 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 1 m of highly flexible silicone cable - permanently connected to the device.
- Display:** 3½ digit, approx. 13 mm high
- Nominal temperature:** +25 °C
- Working temperature:** -30 to +45 °C
- Storage temperature:** -30 to +70 °C
- Power supply:** 9V battery type IEC 6F22 (included)
- Battery service life:** approx. 200 operating hours
- Low battery warning:** „BAT“
- Dimensions:** device: approx. 106 x 67 x 30 mm (H x W x D). impact resistant ABS plastic housing
- Weight:** approx. 190 g (incl. battery and probe)

#### GTH 175/Pt-E instrument with insertion probe

**Specification:** refer to GTH 175/Pt probe (st. steel tube, Ø 3mm x 100mm) like above, however with insertion probe for all soft media

#### GTH 175/Pt-K core temperature meas. instrument

**Specification:** refer to GTH 175/Pt probe (st. steel tube, Ø 3mm x 100mm) like above, however with teflon handle and 1m teflon cable. Both handle and cable are resistant to **air temperature of up to 250 °C** and can remain in the oven.

#### Option (upcharges)

**- Probe water-proof**  
Probe like GTH 175/Pt but with PVC-cable (max. 100 °C) and sealed handle (max. 70 °C)

**Special design types: (on request)**  
e.g. probe cable in another length, sensor tube in another length.

#### Accessories

- GB 9 V** spare battery
- GKK 1100** case (340 x 275 x 83 mm) with foam lining
- Komplett-offering** device incl. certificate of calibration and case

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for additional accessories p.r.t. page 56 - 58

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



### 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 122.*
- Display:** 3½ digit, approx. 13 mm 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 for external 10.5-12V direct voltage supply. (suitable power supply: GNG10/3000)
- Battery service life:** approx. 200 operating hours
- Low battery warning:** „BAT“
- 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 122*
- ST-R1** device protection bag with cut-out for probe connection, suitable for GMH175, ...
- GB 9 V** spare battery

for additional accessories p.r.t. page 56 - 58