

Maximum speed, universal application, low price



QUICK RESPONSE THERMOMETER

GTH 1150

Battery operation, for plug-in probes

GMH 1150

Battery/mains operation, for plug-in probes

Application: quick response measurements on surfaces, in liquids, soft media, air/gases, at the smallest objects etc. For all applications where a resolution of 1 °C is sufficient.

Specification

Measuring range:	-50 ... +1150 °C
Resolution:	1 °C
Accuracy:	≤ 1 % ± 1 Digit (from -20 to +550 and 920 to 1150 °C) (at nominal temperature) ≤ 1.5 % ± 1 Digit (from 550 to 920 °C) from -20 to -50 °C according to attached correction table
Probe connection:	standard flat-pin plug (free of thermo-voltage) suitable for all NiCr-Ni (type K) - probes. <i>Probe is not included in scope of supply - optimum probe to be ordered separately depending on desired application! Refer to pages 123 - 127.</i>
Display:	3½ digit, approx. 13 mm high
Nominal temperature:	25 °C
Working temperature:	0 to 45 °C
Storage temperature:	-20 to +70 °C
Power supply:	9V battery type IEC 6F22 (included). Additional at GMH 1150: d.c. connector for external 10.5-12V direct voltage supply. (suitable power supply: GNG10/3000)
Power consumption:	approx. 0.4 mA
Battery service life:	approx. 700 operating hours
Low battery warning:	„BAT“
Dimensions:	GTH ... approx. 106 x 67 x 30 mm (H x W x D). impact resistant ABS plastic housing. GMH ... approx. 142 x 71 x 26 mm (H x W x D). impact resistant ABS plastic housing, front side IP65, integrated pop-up clip for table top or suspended use.
Weight:	approx. 150 g (GTH 1150), approx. 160 g (GMH 1150)

Accessories

- GTF 300** wire probe (for measuring ranges -65 ... 300 °C)
- additional NiCr-Ni probes** *p.r.t. page 123 - 127*
- GB 9 V** spare battery
- GKK 252** case (235 x 185 x 48 mm) with foam lining
- GKK 3000** case (275 x 229 x 83 mm) with punched lining
suitable for all devices of the GMH3xxx-series, GMH 1150
- ST-KN** device protection bag, suitable for GTH 1150
- ST-N1** device protection bag, suitable for GMH 1150
- GNG 10/3000** power supply

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

High precision, low power consumption, min-/max-value memory, hold function, auto-off function, down to -25°C ambient temperature, °C and °F, offset/scale



PRECISION QUICK RESPONSE THERMOMETER

GTH 1170

Battery operation, for plug-in probes, °C / °F (0,1° or 1°), min./max. value memory, hold, automatic-off, offset/scale

GMH 1170

Battery operation, for plug-in probes, °C / °F (0,1° or 1°), min./max. value memory, hold, automatic-off, offset/scale

Application: quick response measurements on surfaces, in liquids, air/gases etc.

Specification

Measuring ranges:	-65,0 ... +199,9 °C or -65 ... +1150 °C (-85,0 ... +199,9 °F or -85 ... +1999 °F)
Resolution:	0,1 °C or 1 °C (0,1 °F or 1 °F)
Accuracy:	-65,0...199,9 °C: ±0.05 % of m.v. ±0.2 % FS ± 1 digit (at nom. temperature) -65 ... 1150 °C: ±0.1 % of m.v. ±0.2 % FS
Temperature drift:	0,01 %/K
Point of comparison:	±0,3 °C
Probe connection:	standard flat-pin plug (free of thermo-voltage) suitable for all NiCr-Ni (type K) - probes. <i>(for suitable probes please refer to pages 123 - 127)</i>
Offset and Scale:	digital offset and scale adjustment for optimum precision.
Display:	3½ digit, approx. 13 mm high
Working temperature:	-25 to +50 °C
Storage temperature:	-25 to +70 °C
Power supply:	9V battery type IEC 6F22 (included)
Measuring interval:	approx. 3 meas. / sec.
Power consumption:	approx. 0.15 mA
Battery service life:	approx. 2000 operating hours
Low battery warning:	„BAT“
Auto-off-function:	selectable from 1 to 120 min. or deactivated.
Min./Max. value memory:	memorizing of max. and min. values.
Hold function:	By pressing a button the current values will be memorized.
Dimensions:	GTH ... approx. 106 x 67 x 30 mm (H x W x D). impact resistant ABS plastic housing. GMH ... approx. 142 x 71 x 26 mm (H x W x D). impact resistant ABS plastic housing, front side IP65, integrated pop-up clip for table top or suspended use.
Weight:	approx. 135 g (GTH 1170), approx. 150 g (GMH 1150)

Accessories

- NiCr-Ni probes** *p.r.t. page 123 - 127*
- GB 9 V** spare battery
- GKK 252** case (235 x 185 x 48 mm) with foam lining
- GKK 3000** case (275 x 229 x 83 mm) with punched lining
suitable for all devices of the GMH3xxx-series, GMH 1170
- ST-KN** device protection bag, suitable for GTH 1170
- ST-N1** device protection bag, suitable for GMH 1170
- Komplett-offering** *p.r.t. page 5*
device incl. certificate of calibration and case

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