

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: (at nominal temperature) | ≤ 1 % ± 1 Digit (from -20 to +550 and 920 to 1150 °C) ≤ 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 105 - 109.</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 | <i>p.r.t. page 105 - 109</i> |
| 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, GTH 1170 | |
| ST-KN device protection bag, suitable for GTH 1150, GTH 1170 | |
| ST-N1 device protection bag, suitable for GMH 1150, GTH 1170 | |
| GNG 10/3000 power supply | |
| for additional accessories p.r.t. page 42 - 43 | |

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 105 - 109)</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. approx. 135 g (GTH 1170), approx. 150 g (GMH 1150) |
| Weight: | |

Accessories

| | |
|--|------------------------------|
| NiCr-Ni probes | <i>p.r.t. page 105 - 109</i> |
| 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, GTH 1150 | |
| ST-KN device protection bag, suitable for GTH 1170, GTH 1150 | |
| ST-N1 device protection bag, suitable for GMH 1170, GTH 1150 | |
| Komplett-offering | <i>p.r.t. page 4</i> |
| device incl. certificate of calibration and case | |
| for additional accessories p.r.t. page 42 - 43 | |