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# G 1200 Thermocouple - Quick Response Thermometer

## For exchangeable Type K sensors




- **fast: 3 measurements per second**
- **modern and functional housing - in pocket size**
- **ideal for puncture and surface measurements**
- **3-line display / overhead display at the push of a button**
- **backlight**
- **high resolution and accuracy**
- **first-class thermocouple compensation**
- **calibratable / traceable**
- **robust, long battery life**
- **Made in Germany**

## Characteristics

In the development of the new G 1200 series, the focus was deliberately on the essential elements of measurement technology - the sophisticated thermocouple reference junction is the center of attention - for the best final accuracy - here, despite the fair overall price in a class comparison, no savings were made!

Precision, speed and reliability, packed in a compact and waterproof housing (exception: probe connection) makes the device a reliable partner for professional users and demanding hobbyists, Made in Germany.

Due to the first-class thermocouple compensation ("virtual ice point") with high-quality reference temperature measurement and sophisticated design, they achieve unrivaled measurement reliability in this class.

G1200 Series
- the classic thermocouple thermometer.

For fast measurement in kitchen, laboratory, industry, craft, research and education and many beyond.

Fast and precise: with our wide range of interchangeable probes together adaptable for any application.

Our high quality thermocouple probes all comply with the best thermocouple class 1.

For highest precision requirements: please note sister device family G 17xx Pt1000 thermometers.

## Technical data

| | |
|---|---|
| Measuring range | -65.0 ... 1200.0 °C / -85.0 … 2192 °F |
| Accuracy (at nominal temperature) | |
| Instrument | ±0.1 % v.MW. ±1 °C |
| Reference junction | ±0.3 °C |
| Measuring cycle | Approx. 3 measurements per second |
| Connection | DIN Mini thermocouple socket |
| Standard functions | Min/Max/Hold<br>Auto power-off function |
| Additional functions | Zero and slope adjustment |
| Ambient conditions | -20 to 50 °C; 0 to 85 % r.h. (non condensing) |
| Display | 3-line with battery status indicator,<br>Backlight, protected by shatterproof screen,<br>overhead display at the push of a button |
| Operation | 4 long-life keys |
| Power supply | 2*AA batteries (included) |
| Operating time | > 2500 h (without backlight,<br>with backlight: >1000 h)<br>4 level battery status indicator,<br>Auto power off function, configurable |
| Housing | break proof ABS,<br>screw locked battery compartment |
| Protection class | IP40 |
| Dimensions | 108 * 54 * 28 mm (L*W*H) |
| Weight | 125 g incl. battery |

## Scope of supply

- Handheld without sensor (depending on set, please refer to „ordering code“)
- Test protocol
- 2xAA batteries
- Manual

## Ordering code

G1200 1. ☐ - 2. ☐

**1. Probe**

| | |
|---|---|
| | Device alone, without temperature probe |
| -GTF300 | With wire probe GTF 300, Type K |
| -GTE130 | With insertion probe GTE 130 OK (no cable), Ø1.5 mm |
| -T3 | With immersion probe GF 1TK-T3 , Ø3 mm, handle short time 250°C, permanent 230°C, 1 m silicon cable 200°C |
| -E3 | With insertion probe GF 1TK-E3, Ø3 mm, handle short time 250°C, permanent 230°C, 1 m silicon cable 200°C |
| -E1.5 | With insertion probe GF 1TK-E1.5, Ø1.5 mm, handle short time 250°C, permanent 230°C, 1 m silicon cable 200°C |

**2. Set-Option**

| | |
|---|---|
| | Instrument, battery, manual |
| -SET | Device. batteries, manual, in case GKK 1000 |
| -WPT3 | Device, batteries, manual, in case GKK 1000, ISO calibration WPT3 -20 / 0 / 70 °C |



Frontal view
with thermocouple connection




G 1200 with probe GF 1TK-T3

## Standard articles

- Device alone, without temperature probe
  G1200 Art. no. 482458
- with wire probe GTF 300
  G1200-GTF300 Art. no. 482586
- with insertion probe, Ø1.5 mm, in case GKK 1000
  G1200-E1.5-SET Art. no. 482726
- with insertion probe, Ø3 mm, in case GKK 1000
  G1200-E3-SET Art. no. 482853
- with immersion probe, Ø3 mm, in case GKK 1000, ISO calibration WPT3 -20 / 0 / 70 °C
  G1200-T3-WPT3 Art. no. 482727
-

## Accessories

**Spare parts:**

- Spare batteries 2x AA
  GB-AA-2 Art.-No. 479249

**Probes:**

- Insertion probe without cable, Ø1.5mm
  GTE 130 OK Art. no. 601483
- Compact immersion probe, silicone handle, Ø3 mm
  GF 1TK-T3 Art. no. 609695
- Compact insertion probe, silicone handle, Ø3 mm
  GF 1TK-E3 Art. no. 609697
- Compact insertion probe, silicone handle, Ø1.5mm
  GF 1TK-E1.5 Art. no. 609699
- Compact air probe, silicone handle, Ø3 mm
  GF 1TK-L3 Art. no. 611299
- Wire probe for measurements in less than a second
  GTF 300 Art. no. 600072
- T-handle insertion probe for bulk material, soil, compost
  GTF 40K-620 Art. no. 610829

**Additional accessories:**

- Protection bag with belt clip:
  ST-G1000, Art.-no. 611373
- Metal belt clip self-adhesive:
  GCLIP1000, Art.-no. 475820
- G 1000 table base and wall suspension:
  G1000_BASE Art.-no. 481885
- Carrying case
  GKK1000 Art.-no. 611603