

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 Socket for miniature flat-pin plug

Standard functions Min/Max/Hold
 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,
 Backlight, protected by shatterproof screen,
 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,
 with backlight: >1000 h)
 4 level battery status indicator,
 Auto power off function, configurable

Housing break proof ABS,
 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.
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1. Probe

-GTF300	Device alone, without temperature probe 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
- with wire probe GTF 300
G1200-GTF300
- with insertion probe, Ø1.5 mm, in case GKK 1000
G1200-E1.5-SET
- with insertion probe, Ø3 mm, in case GKK 1000
G1200-E3-SET
- with immersion probe, Ø3 mm, in case GKK 1000, ISO calibration WPT3 -20 / 0 / 70 °C
G1200-T3-WPT3

Accessories
Spare parts:

- Spare batteries 2x AA
GB-AA-2

Probes:

- Insertion probe without cable, Ø1.5mm
GTE 130 OK
- Compact immersion probe, silicone handle, Ø3 mm
GF 1TK-T3
- Compact insertion probe, silicone handle, Ø3 mm
GF 1TK-E3
- Compact insertion probe, silicone handle, Ø1.5mm
GF 1TK-E1.5
- Compact air probe, silicone handle, Ø3 mm
GF 1TK-L3
- Wire probe for measurements in less than a second
GTF 300
- T-handle insertion probe for bulk material, soil, compost
GTF 40K-620

Additional accessories:

- Protection bag with belt clip:
ST-G1000,
- Metal belt clip self-adhesive:
GCLIP1000,
- G 1000 table base and wall suspension:
G1000_BASE
- Carrying case
GKK1000