

ONE-HAND SOIL/COMPOST THERMOMETER

**G 1791**

Item No. 482472

One-hand soil/compost thermometer

GENERAL:

The sophisticated probe tip offers a best possible compromise between speed and robustness. For reliability in tough measurement applications, the connector between the indicator and the probe is welded from solid stainless steel. Precision, speed and reliability, packaged in a compact and robust housing, make the device a reliable partner for professional users, made in Germany.

APPLICATION:

The G 1791 is a convenient insertion thermometer for soft soils, compost, agricultural windrows and bulk materials.

TECHNICAL SPECIFICATIONS:

Measurement input:	Pt1000
Measuring range:	-70.0 .. +250.0 °C (-94.0 .. +482.0 °F)
Accuracy:	-20 .. +100 °C: $\pm 0.1 \text{ K} \pm 1 \text{ digit}$, otherwise: $\pm 0.2 \%$ of reading MW. $\pm 2 \text{ digits}$
Response time:	t90 water (0.4 m/s) approx. 4 s
Measuring frequency:	2 measurements/s
Sensor:	Diameter: $\varnothing 8 \text{ mm}$ Probe length: 920 mm mounting: probe firmly screwed to the bottom of device, T-handle-like
Standard function:	Min/Max/Hold, auto power off function
Additional functions:	Zero point and slope correction Min/Max alarm: display message, flashing, buzzer
Ambient conditions display:	-20 to 50 °C; 0 to 85 % RH (not condensing)
Display	3 lines with battery status display, backlit, unbreakable pane,
Operation	4 long-life pushbuttons
Power supply:	2 * AA batteries (incl.)
Battery life:	>2500 h (without backlight, with backlight >1000 h), 4-stage battery status display, automatic switch-off, adjustable
Housing:	Break-resistant ABS bolted battery compartment
Protection class:	IP54
Dimensions:	108 * 54 * 950 mm (L * W * H)
Weight:	275 g including battery
Scope of delivery:	Portable instrument with permanently connected sensor, test report, optional: ISO calibration report, 2xAA batteries, operating instructions

HIGHLIGHTS:

- robust stainless steel insertion probe
- ergonomic layout of the display unit
- fast measurement thanks to the optimized measuring tip
- high resolution and accuracy
- customizable alarm function
- calibratable/traceable
- long battery life

INDOOR AIR THERMOMETER



QUICK MEASUREMENT OF ROOM TEMPERATURE

CONVENIENT ONE-HAND OPERATION

GTH 200 air

Item No. 600251

Precision air thermometer

GENERAL:

The exposed, yet protected temperature sensor enables fast and precise measurements with an accuracy of less than $\pm 0.2 \text{ °C}$ (at 20 °C) in air. The range of functions of the device has been reduced to the essentials, which enables convenient and practical one-hand operation.

APPLICATION:

The room thermometer GTH 200 air is an essential tool for fast and precise temperature measurements in

- Calibration rooms
- Production/server rooms
- Living spaces
- Laboratory, etc.

TECHNICAL SPECIFICATIONS:

Measuring range:	-25.0 .. +70.0 °C
Resolution:	0.1 °C
Accuracy:	($\pm 1 \text{ digit}$) (at nominal temperature) $\pm 0.5 \%$ of reading $\pm 0.1 \text{ °C}$
Measuring probe:	Pt 1000, DIN class AA
Response time T_{90} :	approx. 5 s
Display:	4½-digit, 11 mm high LCD display
Nominal temperature:	25 °C
Working temperature:	-20 .. +70 °C
relative humidity:	0.95 % RH (not condensing)
Storage temperature:	-25 .. +70 °C
Power supply:	9 V battery
Power consumption:	max. 0.1 mA
Battery life:	approx. 6000 operating hours with alkaline battery
Housing:	impact-resistant ABS housing
Dimensions:	approx. 106 x 67 x 30 mm (H x W x D), additionally protruding sensor head on the front side, 35 mm long, 14 mm \varnothing , total length 141 mm.
Weight:	approx. 135 g including battery
Scope of delivery:	Device, battery, operating instructions