

Hand-Held Thermometer

for thermocouples // -220...1750 °C



MH 3211

Highlights

- Excellent measuring accuracy
- Serial interface
- Surface and gradient correction
- Very fast response time

Technical data

Type	MH 3211
Measuring range	
→ Type K	NiCr-Ni -220...1370 °C
→ Type T	Cu-CuNi -200...400 °C
→ Type J	FeCu-Ni -200...1100 °C
→ Type N	NiCrSi-NiSi -200...1300 °C
→ Type S	Pt10Rh-Pt -50...1750 °C
→ Type E	NiCr-CuNi -60...850 °C
→ Type B	Pt30Rh-Pt6Rh 300...1750 °C
Accuracy	
→ Type K / J / T / N / E	±(0.5 °C +0.2 % of reading)
→ Type B / S	±(0.8 °C +0.4 % of reading)
Equipment	
Input	Thermocouples K / J / S / T / N / E / B
Measurement features	
Surface measurement	Correction value adjustable, can be switched on if required

Technical datasheet

Grubatec AG - Gewerbehäus Ergolz, Wölferstrasse 5 - 4414 Füllinsdorf
Telefon: +41 (0)55 617 00 80 - www.grubatec.ch - sales@grubatec.ch

Technical data

General data	
Type	MH 3211
Units	°C / °F
Sensor connection	1 x mini-DIN-socket, 4-pole
Linearisation	Surface and gradient correction
Power supply	Battery supply, 9 V block battery or power supply (optional)
PC Interface	Via galvanically isolated interface converter (accessory) directly to RS232 or USB interface
Display	
Display	2 x 4 digit LCD
Functions	Hold, Auto-Off
Housing	
Features	Shock-resistant ABS plastic, foil keyboard, clear window, integrated bracket
Dimensions (H x B x T)	142 x 71 x 26 mm
Weight	Approx. 155 g

Article numbers

Order code	
Type	Order number
MH 3211	EME8GMH3211000

Order code	
Accessories	Order number
Sensor length (Ø 3 mm: je 100 mm)	on request
Sensor length (Ø 6 mm: je 100 mm)	on request
Other cable length per meter	on request
Transport case	EME8GKK3100000
Battery pack	EME8GAK9V00000
DAkS-Certificate (4 points up to 500 °C)	EKTMK00000000D
SIKA works certificate (4 points up to 500 °C)	EKTMK00000000W
Software EBS20M (20 measuring channels)	EME8EBS20M00KA
Software Soft3050 (add-on for logger and alarm)	EME8GSOFT305KA

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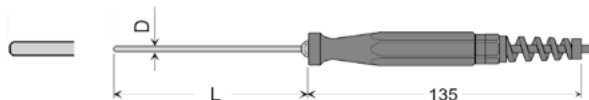
Hand-Held Thermometer

Thermocouples

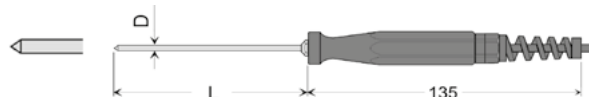
Temperature sensor suitable for MH 3211

Type K	Temperature range	L [mm]	D [mm]	Order number
GTF900 Standard sensor	-65...1000 °C	130	Ø 3	EME8GTF900000G
GTF400 Fast response sensor	-65...550 °C	130	Ø 1.5	EME8GTF400000G
GES900 Spike sensor	-65...1000 °C	130	Ø 3	EME8GES900000G
GTF1200 / 300 Inconel sensor	-200...1150 °C	300	Ø 3	EME8GTF120030G
GOF130CU Surface sensor	-65...500 °C	130	Ø 3 (head = Ø 4)	EME8GOF13040G
GOF130 Surface sensor	-65...900 °C	130	Ø 8	EME8GOF130000G
GOF400VE Surface sensor	-65...400 °C	100	Ø 6 (head = Ø 17)	EME8GOF400VE0G
GOF400HO Surface sensor	-65...400 °C	130 / 60	Ø 6 (head = Ø 17)	EME8GOF400HO0G
GLF130 Air / gas sensor	-65...600 °C	130	Ø 3 (head = Ø 6)	EME8GLF13000G

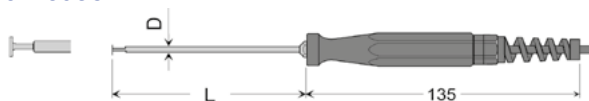
GTF400 / 900



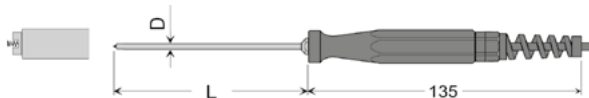
GES900 / GTF1200 / 300



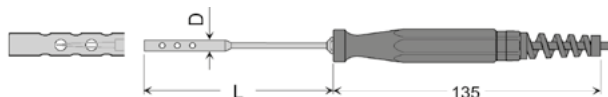
GOF130CU



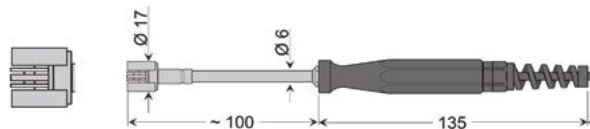
GOF130



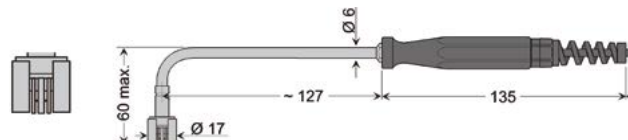
GLF130



GOF400VE



GOF400HO



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GRUBATEC
MESS- UND REGELTECHNIK

Sika