Temperature Calibrator

multicomp**PRO**

Description

It is a hand-held temperature calibrator with stable performance and high accuracy. It can provide voltage, resistance, 10 kinds of the thermocouple and 4 kinds of RTD outputs. The thermocouple outputs are designed with automatic and manual cold junction temperature compensation. It also features automatic stepping and ramping. The 25% stepping function can be used for fast linearity detection, and the store/recall feature improves user efficiency.

Features

- Up to 0.05% output and measurement accuracy
- Compact and ergonomic design, easy to carry
- Solid and reliable, Suitable for on-site use
- Auto stepping and ramping output for fast linearity detection
- Save frequently-used settings for future use
- Adjustable backlight brightness
- Convenient battery replacement
- Slow /Fast/25% step ramp
- Backlight
- Auto power off
- Low battery indication
- Drop test: 1m

Electrical Specifications

Basic Functions	Type	Range	Best Accuracy
DC mV		1000mV	±(0.05% +3)
Resistance (Ω)		5000Ω	±(0.05% +2)
Thermocouples	J	-20°C ~ 1200°C (-328°F ~ 2192°F)	0.7°C
	K	-200°C ~ 1370°C (-328°F ~ 2498°F)	1°C
	T	-200°C ~ 400°C (-328°F ~ 752°F)	0.8°C
	E	-200°C ~950°C (-328°F ~ 1742°F)	0.7°C
	R	-20°C ~ 1750°C (-4°F ~ 3182°F)	1.4°C
	S	-20°C ~ 1750°C (-4°F ~ 3182°F)	1.5°C
	B	600°C ~ 1800°C (1112°F ~ 3272°F)	1.4°C
	N	-200°C ~ 0 ~ 1300°C (-328°F ~ 2372°F)	0.9°C
	Wre325	0°C ~ 2000°C (32°F ~ 3632°F)	1.8°C
	Wre526	0°C ~ 2300°C (32°F ~ 4172°F)	1.8°C
RTDs	Pt10	-200°C ~ 850°C (-328°F ~1562°F)	±(0.5% +6°C)
	Pt100		±(0.05% +0.6°C)
	Cu50	-50°C ~ 150°C (-58°F ~ 302°F)	±(0.05% +0.6°C)
	Cu100		±(0.05% +0.6°C)

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General Characteristics

Power   : 9V battery (6F22)
Product Net Weight : 410g
Product Size   : 96mm × 193mm × 47mm (W × H × D)
Standard Warranty : 03 Years

Accessories	Qty.	Note
Operating Manual	1 piece	-
Test Leads	1 pair	Leads length: 900mm, Rod length: 128mm; Tip length: 16.8mm Safety level: CAT III 1000V/CAT IV 600V 10A
Alligator Clip		Neutral, Colour: Red + black
Battery	1 piece	9V Alkaline Battery(1604A), Non-rechargeable, Replaceable
Cloth bag		-

Part Number Table

Description	Part Number
Single Function Temperature Calibrator	MP780002

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

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