

Thermocouple Calibrator

Portable/Handheld

Portable, Handy, Easy to carry & Sturdy Case with grip
Basic Accuracy : $\pm 0.05\%$ Reading

Typical Photo.
Final Product Look May Vary.

Nagman 02+



SALIENT FEATURES

Capability to Measure & Simulate Voltage & Thermocouple Readings

- Compact, Light Weight Unit with Holster
- Selectable Temperature Output Readings (in °C / °F)
- Measurement & Simulation of Thermocouple types R, S, B, E, K, J, T & N and Voltage - 1 V Simulation, 100 mV Measurement

SPECIFICATIONS

INPUT FUNCTIONS (Measurement)

Input	Range	Input range	Resolution	Accuracy	Remarks
DC Voltage	100	-10 to 110 mV	0.01mV	$\pm 0.05\%+3$	Input Resistance 1M Ω
DC mV	R	-40 to 1760°C	1°C	0.05%+3 (less than or equals to 100°C) 0.05%+2 (more than 100°C)	Input Resistance 1M Ω Employs ITS-90 temperature standard. The accuracy does not include the error of interior temperature compensation sensor. The Accuracy does not include the impact of interior thermoelectric force
Thermocouple TC	S	-200 to 1760°C			
	B	400 to 1800°C			
	K	-200 to 1370°C	0.1°C	0.05%+2 (less than or equals to -100°C) 0.05%+1 (more than -100°C)	
	E	-200 to 1000°C			
J	-200 to 1200°C				
T	-200 to 400°C				
N	-200 to 1300°C				

OUTPUT FUNCTIONS (Simulation)

Output	Range	Output range	Resolution	Accuracy	Remarks
DCV	100mV	-10 to 110mV	0.01 mV	0.05% +30 μ V	Max. output current ± 2 mA
	1V	-0.1 to 1.1V	0.1 mV	0.05% +0.3mV	
TC	R	-40 to 1760°C	1°C	0.05% +0.3 (less than or equals to 100°C) 0.05% +2 (more than 100°C)	Employs ITS-90 temperature standard. The accuracy does not include the error of interior temperature compensation sensor. The accuracy does not include the impact of interior thermoelectric force.
	S	-20 to 1760°C			
	B	-400 to 1800°C			
	E	-200 to 1000°C	0.1°C	0.05% +2 (less than or equals to -100°C) 0.05% +1 (more than -100°C)	
	K	-200 to 1370°C			
	J	-200 to 1200°C			
	T	-200 to 400°C			
N	-200 to 1300°C				

STANDARD INCLUSIONS

- Thermocouple Calibrator – Model : Nagman 02+
- 1.5V AA Batteries – 2 Nos.
- Operation Manual
- Test Leads
- Traceable Calibration Certificate

OPTIONAL (ADD-ON) ITEMS

- Calibration Certificates are issued in Accordance with our Scope as granted by NABL per ISO/IEC 17025:2017 Standards

Manufactured by



Since 1972

NAGMAN INSTRUMENTS AND ELECTRONICS PRIVATE LIMITED

AN ISO 9001:2015 CERTIFIED COMPANY

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