

Signal

Nagman Thermocouple Calibrator

**Portable, Handy, Easy to carry
& Sturdy Case with Grip**

Basic Accuracy : $\pm 0.05\%$



Model : Nagman 02

**Capability to Measure & Simulate
Voltage & Thermocouple Readings**

- 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 (100 mV)



PHYSICAL SPECIFICATIONS

OUTPUT FUNCTIONS

Output	Ranges / Types	Output Range	Resolution	Accuracy	Remarks
Voltage	100 mV	-10.00 to 110.00 mV	0.01 mV	±0.05% setting value + 30 µV	Max. output current ±5 mA
	1000 mV	-100.00 to 1100.0 mV	0.1 mV	±0.05% setting value + 0.3 mV	
Thermocouple	R	-40 to 1760°C	1°C	±0.05% setting value ±3°C (≤100°C) ±0.05% setting value ±2°C (>100°C)	ITS-90
	S	-20 to 1760°C	1°C		
	B	400 to 1800°C	1°C	±0.05% setting value ±3°C (400 to 600°C) ±0.05% setting value ±2°C (>600°C)	
	E	-200 to 1000°C	0.1°C	±0.05% setting value ±2°C (≤100°C) ±0.05% setting value ±1°C (>-100°C)	
	K	-200 to 1370°C	0.1°C		
	J	-200 to 1200°C	0.1°C		
	T	-200 to 400°C	0.1°C		
N	-200 to 1300°C	0.1°C			

MEASURING FUNCTIONS

Input	Ranges / Types	Input Range	Resolution	Accuracy	Remarks
Voltage	100 mV	-10.00 to 110.00 mV	0.10 µV	±0.05% setting value + 30 µV	Input Impedance 1MΩ
Thermocouple	R	-40 to 1760°C	1°C	±0.05% Measuring value ±3°C (≤100°C) ±0.05% Measuring value ±2°C (>100°C)	Input Impedance 1MΩ ITS-90
	S	-20 to 1760°C	1°C		
	B	400 to 1800°C	1°C	±0.05% Measuring value ±3°C (400 to 600°C) ±0.05% Setting value ±2°C (>600°C)	
	E	-200 to 1000°C	0.1°C	±0.05% Measuring value ±2°C (≤ -100°C) ±0.05% Measuring value ±1°C (> -100°C)	
	K	-200 to 1370°C	0.1°C		
	J	-200 to 1200°C	0.1°C		
	T	-200 to 400°C	0.1°C		
N	-200 to 1300°C	0.1°C			

STANDARD DELIVERY

- Thermocouple Calibrator – Model Nagman 02
- 9V Battery
- Operation Manual
- Test Leads
- Test Certificate

OPTIONALS

- NABL Traceable Calibration Certificate

Product of

NAGMAN INSTRUMENTS & ELECTRONICS (P) LTD.

- Comprehensive Calibration Solutions (Standards / Systems / Packages / Software / Services)

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