

Signal

Nagman Thermocouple Calibrator

Portable, Handy, Easy to carry
& Sturdy Case with grip

Basic Accuracy : $\pm 0.05\%$ Reading

*Capability to Measure & Simulate
Voltage & Thermocouple Readings*

Model

NAGMAN 02

- 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



Manufactured by

Nagman Instruments & Electronics (P) Ltd.

27th KM Stone, Chennai-Bangalore NH-4, Nazarethpet P.O., Chembarambakkam, Chennai – 600 123.
INDIA.

Domestic Sales

Phone 044 – 26810280, 1280, 0600, 1300

Fax 044 – 26811703

E-Mail mktgchennai@nagman.com

International Sales

+91-44-26811704, 26811708

+91-44-26811703

exports@nagman.com

www.nagman.com



Specifications subject to change owing to continuous development

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(P.T.O)

SPECIFICATIONS

INPUT FUNCTIONS (Measurement)

Input	Range	Input range	Resolution	Accuracy	Remarks
Voltage (DC)	100 mV	-10 to 110 mV	10 μV	±0.05% measured value ± 30 μV	Input Resistance 1MΩ
Thermocouple	R	-40 to 1760°C	1°C	±0.05% measured value ±3°C (≤100°C)	Input Resistance 1MΩ
	S	-20 to 1760°C	1°C	±0.05% measured value ±2°C (>100°C)	
	B	400 to 1800°C	1°C	±0.05% measured value ±3°C (400 to 600°C) ±0.05% measured value ±2°C (>600°C)	
	E	-200 to 1000°C	0.1°C	±0.05% measured value ±2°C (≤ -100°C) ±0.05% measured 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		

OUTPUT FUNCTIONS (Simulation)

Output	Range	Output range	Resolution	Accuracy	Remarks
Voltage (DC)	100 mV (Low)	-10.00 to 110.00 mV	0.01 mV	±0.05% set value ±30 μV	Max. output current ±2 mA
	1V (High)	-0.10 to 1.10 V	0.1 mV	±0.05% set value ±0.3 mV	
Thermocouple	R	-40 to 1760°C	1°C	±0.05% set value ±3°C (≤100°C)	By using ITS-90 temperature scale
	S	-20 to 1760°C	1°C	±0.05% set value ±2°C (>100°C)	
	B	400 to 1800°C	1°C	±0.05% set value ±3°C (400 to 600°C) ±0.05% set value ±2°C (>600°C)	
	E	-200 to 1000°C	0.1°C	±0.05% set value ±2°C (≤100°C) ±0.05% set 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 Alkaline Battery
- Operation Manual
- Test Leads
- Traceable Calibration Certificate

OPTIONALS

- Calibration Certificate from NABL Accredited – as per ISO/IEC 17025:2005 Laboratory