

RTD Calibrator

Portable/Handheld

Nagman 03+

Portable, Handy, Easy to carry & Sturdy Case with grip. Capability to Measure & Simulate Resistance & RTD Readings

Basic Accuracy : $\pm 0.05\%$ Reading

SALIENT FEATURES

Compact, Light Weight Unit with Holster

Selectable Temperature Output Readings (in °C / °F)

Measurement of:

Resistance	0 - 5000 Ω	
RTD Types		
Cu50	:	-50 to 150°C
Pt100	:	-200 to 850°C
Pt200	:	-200 to 630°C
Pt500	:	-200 to 630°C
Pt1000	:	-200 to 630°C
Simulation of:		
Resistance	0 - 4000 Ω	
RTD Types		
Cu50	:	-50 to 150°C
Pt100	:	-200 to 850°C
Pt200	:	-200 to 630°C
Pt500	:	-200 to 630°C
Pt1000	:	-200 to 630°C



Typical Photo. Final Product Look May Vary.

SPECIFICATIONS

INPUT FUNCTIONS (Measurement)

Output function	Range	Output Range	Resolution	Accuracy	Illustration
Resistance OHM	500 Ω	0 to 500 Ω	0.1 Ω	0.05%+2	Measurement current : about 1mA Open circuit voltage : about 2.5V The accuracy does not include lead resistance.
	5000 Ω	0 to 5000 Ω	1 Ω		
Thermal Resistance RTD	Cu50	-50 to 150°C	0.1°C	0.05%+0.6°C	The incentive current is set as : ± 0.5 to ± 3 mA When the incentive current is set as ± 0.1 to 0.5 mA, add an extra 0.5°C to additional error. Incentive current is set as ± 0.05 to ± 0.3 mA
	Pt100 385	-200 to 850°C			
	Pt200 385	-200 to 630°C			
	Pt500 385	-200 to 630°C			
	Pt1000 385	-200 to 630°C			

OUTPUT FUNCTIONS (Simulation)

Output function	Range	Output Range	Resolution	Accuracy	Illustration
Simulate Resistance OHM	400 Ω	0 to 400 Ω	0.1 Ω	0.05%+2	Incentive current is set as ± 0.5 to ± 3 mA When the incentive current is set as ± 0.1 to 0.5 mA, add an extra 0.1 Ω to additional error. The accuracy does not include lead resistance.
	4000 Ω	0 to 4000 Ω	1 Ω	0.05%+2	
Thermal Resistance RTD	Cu50	-50 to 150°C	0.1°C	0.05%+6	The incentive current is set as : ± 0.5 to ± 3 mA When the incentive current is set as ± 0.1 to 0.5 mA, add an extra 0.5°C to additional error. Incentive current is set as ± 0.05 to ± 0.3 mA
	Pt100 385	-200 to 850°C			
	Pt200 385	-200 to 630°C			
	Pt500 385	-200 to 630°C			
	Pt1000 385	-200 to 630°C			

STANDARD INCLUSIONS

- RTD Calibrator – Model : Nagman 03+
- 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

NAGMAN INSTRUMENTS & ELECTRONICS (P) LTD.

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**AN ISO 9001:2015
CERTIFIED COMPANY**

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Specifications subject to change owing to continuous development. Contact us for latest Datasheet.

NIE/TDS/Nagman03+/01/00

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