

V/mA Pressure Calibrator

Portable/Handheld

Nagman 15+

Capability to Measure & Simulate DC Voltages, DC Current, Frequency, Pulse & Loop

Basic Accuracy : $\pm 0.02\%$ Reading

SALIENT FEATURES

Compact, Light Weight Unit with Holster	
Capability to Measure & Simulate DC Voltages, DC Current & Frequency	
5 digits display of Measurement & 6 digits display for Simulation	
Dual LCD with white LED for backlight	
Measurement & Simulation of :	
DC Voltages	200 mV, 5 V & 50 V in Measurement Mode 1000 mV & 10 V in Simulation Mode
DC Current	50 mA in Measurement Mode 20 mA in Simulation Mode
Frequency	50 Hz, 5 KHz & 50 KHz in Measurement Mode 100 KHz, 1 KHz & 10 KHz in Simulation Mode
Capability to perform Continuity Test & provide Loop Supply (24 V) for Transmitters	



Typical Photo.
Final Product Look May Vary.

SPECIFICATIONS

Input Functions (Measurement)

Functions	Reference	Ranges	Resolution	Accuracy	Remarks
DC Voltage	200 mV	-20 to 220 mV	10 μ V	0.02 + 0.02	Impedance approximately 100 M Ω
	5 V	-0.5 to 5.5 V	0.1 mV	0.02 + 0.01	Impedance approximately 1 M Ω
	50V	-5 to 55 V	1 mV	0.03 + 0.01	
DC mA	50 mA	-4 to 55 mA	1 μ A	0.02 + 0.01	Impedance : 5 Ω
Frequency	500 Hz	3 to 500 Hz	0.01 Hz	± 2 digit	Impedance : 100 k Ω Min.
	5 KHz	3 Hz to 5 KHz	0.1 Hz		Sensitivity : 3 Vp-p min.
	50 KHz	3 Hz to 50 KHz	1 Hz		Duty Cycle : 50%
Continuity	<250 Ω	Close / open	---	---	Open Circuit Voltage : about 2.5 V

Output Functions (Simulation)

Functions	Reference	Ranges	Resolution	Accuracy	Remarks
DC Voltage	1000 mV	-100 to 1100 mV	10 μ V	0.02 + 0.01	Maximum output : 2 mA
	10 V	-1 to 11 V	0.1 mV	0.02 + 0.01	Maximum output : 5 mA
DC Current	20 mA	0 to 22 mA	1 μ A	0.02 + 0.02	Simulator Transmitter : 5 to 28 V Power Supply outside; 1 K Ω at 20 mA
Frequency	100 Hz	1 to 110 Hz	0.01 Hz	± 2 count	Output voltage : 1 to 11 V _{p-p} (zero base waveform); Amplitude Accuracy : $\pm 10\% + 0.5$ V; Maximum load : >100 K Ω Duty Cycle : 50%
	1 KHz	0.1 to 1.1 KHz	1 Hz		
	10 KHz	1 to 11 KHz	0.1 KHz		
Pulse	100 Hz	1 to 100000 cycles	1 cycle	---	Maximum output current : 25 mA Short circuit protected
	1 KHz				
	10 KHz				
Loop	24 V	---	---	$\pm 10\%$	

* Accuracy is expressed as \pm (percentage of Reading + percentage of Range)

STANDARD INCLUSIONS

- Voltage / Milliamp Calibrator - Model Nagman 15+
- 1.5V x 4 Nos. AAA Alkaline Batteries
- 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.

*Chennai-Bangalore National Highway, Nazarathpet P.O., Chembarambakkam,
Chennai – 600 123. INDIA.*

**AN ISO 9001:2015
CERTIFIED COMPANY**

Domestic Sales Phone : 044 – 66777020, 005, 021, 024. Fax : 044 – 66777050. E-Mail : mktgchennai@nagman.com
Export Sales Phone : +91-44-66777006, 008. Fax : +91-44-66777050. E-Mail : exports@nagman.com

www.nagman.com

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

NIE/TDS/Nagman15+/01/00

Feb. 2021