

Nagman  
Instruments  
Consortium

Comprehensive  
Calibration Solutions

thru'

• Standards • Systems • Software

50 years of  
DISTINGUISHED  
SERVICE TO  
INDUSTRIES  
WORLDWIDE



**Bureau Veritas Certification**

**NAGMAN INSTRUMENTS AND ELECTRONICS PRIVATE LIMITED**

HEAD OFFICE: 170/162, CHENNAI BANGALORE HIGHWAY ROAD, SEIBAMBAKKAM, CHENNAI - 600 122, TAMIL NADU, INDIA.

This is a multi-site certificate, additional sites are listed on the next page(s).

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the Management System Standard detailed below.

Standard  
**ISO 9001:2015**  
Scope of certification

DESIGN, DEVELOPMENT, MANUFACTURE, SALES, DISPATCH AND SERVICE OF CALIBRATION EQUIPMENT LIKE TEMPERATURE CALIBRATORS, PRESSURE CALIBRATORS, SIGNAL CALIBRATORS, COMPRESSION TESTERS, PNEUMATIC & HYDRAULIC HAND PUMPS AND TEST BENCHES/WORK STATIONS MANUFACTURE OF FLOW AND LEVEL CALIBRATION SYSTEMS

Original cycle start date: 16 February 2019  
Expiry date of previous cycle: 14 September 2021  
Recertification Audit date: 09 September 2022  
Recertification cycle start date: 22 January 2023

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: 14 September 2024

Certificate No. IND.22.8606QGMU Version: 1 Revision date: 22 January 2022

Signed on behalf of BUREAU VERITAS UK Branch  
Geoffrey M. BARNES  
Head - CERTIFICATION, South Asia  
Operations, Industry & Facilities Division

UKAS  
CERTIFICATION

ISO 9001:2015 Certificate

**EURO CERT**

EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A.

**CERTIFICATE OF CONFORMITY**  
TECHNICAL DOCUMENTATION OF TECHNICAL FILE

Certificate No.: LVM6116  
Issue Date: 19/03/2021  
Expiry Date: 18/03/2024  
Applicant: NAGMAN INSTRUMENTS AND ELECTRONICS PRIVATE LIMITED  
Name & Address: 27th KM, STONE, CHENNAI, BANGALORE NATIONAL HIGHWAY, CHENNAI/AMBAMBAKAM, CHENNAI - 600122, TAMILNADU, INDIA  
Site: as Applicant

Manufacturer (Name & Address):  
Test Report No.: ITC/TEST/NN/2012/27, ITC/TEST/NN/2103/05  
TCF No.: ITC/NEP/AR/01

Product Description: MULTIFUNCTION PROCESS CALIBRATOR

Model(s): MFC 40  
Directive(s): Low Voltage Directive 2014/35/EU  
Electromagnetic Compatibility Directive 2014/53/EU  
Standard(s): EN 61010-1:2011/A:2019 EN 61326-1:2018 EN 60950-1:1991/A2:2013

This is to certify that, upon the relevant application of the above-mentioned company, EUROCERT as Third Party Authority has reviewed the Technical Construction File of the described product which found to fulfil the basic health and safety prerequisites of above-mentioned Directives.

**Notes:**

- The manufacturer should issue a EU Declaration of Conformity according to the basic requirements of the applicable and relevant EC-directives.
- The holder of this certificate shall use it in connection with the EU declaration of conformity.
- The CE marking can be affixed on the above-mentioned product with the manufacturer's responsibility, if all relevant and applicable EU directives are complied with.
- All modifications to the Technical File should be first submitted to the Third-Party Inspection Authority to ensure further validity of this assessment.
- This certificate is valid only for the product and configuration described above.

Please check the validity of the certificate from our website using the password AppNagm4B

On Behalf of EUROCERT  
GEORGI N. SIFONOS  
Director of Development

Third Party Authority Stamp

CE Certificate

**ITC INDIA**

**Institute of Testing and Certification (INDIA) Private Limited**

Head Office: 170/162, Chennai Bangalore Highway Road, Seibambakkam, Chennai - 600 122, Tamil Nadu, India. Tel: +91 44 2666 10000 Fax: +91 44 2666 10001 Email: info@itcindia.org

Laboratory Test Report - EMC

Test Report No.: ITC/TEST/NN/2012/11  
Description: Electrical  
Group: EMC/EMC Test Facility  
Date of issue: 17-03-2021  
Sample date in: 24-12-2020  
Date of Performance: 11-03-2021 - 12-03-2021  
Applicant: M/s N. Venkat Raghavan  
Customer: Nagman Instruments And Electronics Private Limited  
27th KM Stone, Chennai Bangalore National Highway, Chennai/ambambakam, Chennai-600122 (INDIA)

Sample Description: Multifunction Process Calibrator  
Sample Condition: OK  
Customer Reference: N/A  
Trade mark / Manufacturer: Nagman®

Model / Type / Reference: Model No: ITC40  
Serial No: ITC200900019  
Input Rating: 9 VDC, 5W  
Adaptor Input Rating: 100-240VAC, 50-60Hz  
Following Test has been done as per IEC 61326-1:2012  
1. Electromagnetic Compatibility Immunity Test (IEC 61000-4-2:2008)  
2. Single Immunity Test (IEC 61000-4-2:2017)  
3. Voltage Dips & Short Interruptions Test (IEC 61000-4-11:2019)  
4. Limitation of voltage changes, voltage fluctuations and flicker (IEC 61000-3-2:2019)

Overall verdict: Pass

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Method of Testing and Calibration  
Issued on: 17/03/2021  
Issued by: [Signature]  
Authorized Signatory

EMC/EMC: This report is generated by, and interpreted by, reference to the conditions of testing as stated on the date of issuance and is intended for use as a reference only. Any change or modification of the report for the use other than as certified, or use of the report for purposes other than those stated, is the responsibility of the user. The report is not valid for use for any other purpose without the express written consent of the Institute. It is the responsibility of the user to ensure that the report is used for the intended purpose and that the results thereof are used only for the purposes stated. The Institute is not responsible for any loss or damage, or for any consequences arising from the use of the report, or for any consequences arising from the use of the report for purposes other than those stated. The Institute is not responsible for any loss or damage, or for any consequences arising from the use of the report, or for any consequences arising from the use of the report for purposes other than those stated. The Institute is not responsible for any loss or damage, or for any consequences arising from the use of the report, or for any consequences arising from the use of the report for purposes other than those stated.

NABL APPROVED LABORATORY

IP Certificate

## SIGNAL CALIBRATORS



**Thermocouple Calibrator** Nagman 02+

Capability to Measure & Simulate Voltage & Thermocouple Readings  
Compact, Light Weight Unit with Holster  
Basic Accuracy :  $\pm 0.05\%$  Reading  
Selectable Temperature Output Readings (in  $^{\circ}\text{C}$  /  $^{\circ}\text{F}$ )  
Measurement & Simulation of Thermocouple types R, S, B, E, K, J, T & N and Voltage - 1 V Simulation, 100 mV Measurement

**RTD Calibrator** Nagman 03+

Portable, Handy, Easy to carry & Sturdy Case with grip.  
Capability to Measure & Simulate Resistance & RTD Readings  
Basic Accuracy :  $\pm 0.05\%$  Reading  
Compact, Light Weight Unit with Holster  
Selectable Temperature Output Readings (in  $^{\circ}\text{C}/^{\circ}\text{F}$ )



**Loop Calibrator** Nagman 05+

Capability to Measure & Simulate Voltage & Current Readings  
Compact, Light Weight Unit with Holster  
Capability to provide Loop Supply (24V) for Transmitters  
Basic Accuracy :  $\pm 0.05\%$  Reading

**Temperature Calibrator** Nagman 14+

Capability to Measure & Simulate DC Voltages, Resistances, Thermocouples and RTD  
Basic Accuracy :  $\pm 0.02\%$  Reading  
Compact, Light Weight Unit with Holster  
5 digits display of Measurement & 6 digits display for Simulation  
Dual LCD with white LED for backlight



**V/mA Pressure Calibrator** Nagman 15+

Compact, Light Weight Unit with Holster  
Capability to Measure & Simulate DC Voltages, DC Current & Frequency  
Basic Accuracy :  $\pm 0.02\%$  Reading  
5 digits display of Measurement & 6 digits display for Simulation  
Dual LCD with white LED for backlight

**Loop Calibrator with Hart** 43H

Tool for communicating with Process Instruments. Relying on an Open Communications Protocol, Hart Communicators Interface with Hart enabled 'Master' and 'Field' Devices.  
Reads the Device's basic information, perform Diagnostic Testing & Calibration to fine-tune the most Hart Transmitter  
Store upto 20 Hart Device Configuration data

**Process Meter / Multimeter** 79A

Compact, Light Weight Unit with Holster  
Measurement & Simulation of DC Voltage, DC Current, Resistance, Thermometer, RTD & Frequency.  
Auto Ramp & Step Function  
24V Loop Parameter function

**Digital Multimeter** N6581 / VC980+

6 $\frac{1}{2}$  Resolution  
3.5" Color Display  
Screen Resolution Ratio 320\*480  
Customizable Display Interface  
Bi-parameter Display  
Conduct Remote Operation thro' Interfaces of IEEE 488, RS-232, LAN & USB Device.

**Benchtop & Handheld**

## MULTIFUNCTION PROCESS CALIBRATORS / CONTROLLERS



**Nagman 25**

Compact, Light Weight Unit with Holster  
Capability to Measure & Simulate DC Voltages, DC Current, Frequency, Resistance, Thermocouples & RTDs  
5 digits display of Measurement & 6 digits display for Simulation  
Basic Accuracy :  $\pm 0.02\%$  Reading  
Dual LCD with white LED for backlight  
Capability to perform Switch Test & Continuity Test

**MFC 40**

Compact & Portable  
Capability to Measure & Simulate DC Voltages, DC Current, Resistance, Thermocouples & RTDs  
Basic Accuracy:  $\pm 0.025\%$  reading  
128 x 64 Graphic Display with backlight  
In/Out Data Memory : 20 Values can be stored manually  
USB Computer Interface  
CE Certified Conforming to EN61010-1 EN61326-1 EN60529  
Environment Testing Standards : JSS 5555 : 2000 Rev No. 2  
Ingress Protection Rating : IP 55

**With Pressure Module**

**CE**

**IP 55 RATED**

## TEST, MEASURING & PROCESS CONTROL INSTRUMENTS



- 201 Precision RTD Thermometer (0.01 $^{\circ}\text{C}$ )
- 202 Type K Thermometer
- 203 Dual Input Humidity Temperature Meter
- 204 Datalogger Dual Input Humidity Temperature Meter
- 205 Four Channels Datalogger
- 221 Sound Level Meter
- 222 Sound Level Calibrator
- 224 Moisture Meter (Grains)
- 231 Light Meter
- 241 TRMS Inrush Clamp Meter
- 242 TRMS AC DC Clamp Meter
- 243 TRMS AC DC Low Current Clamp Meter
- 244 TRMS Milli-Amp AC DC Clamp Meter (0.1mA)
- 245 TRMS AC DC Clamp Meter
- 246 TRMS AC Leakage Clamp Meter (0.001 mA)

- 261 Insulation Tester
- 262 Insulation Tester
- 263 Earth Resistance Tester
- 271 Hydrogen (H2) Gas Leak Detector
- 272 Carbon Monoxide (CO) Meter
- 274 Combustible Gas Detector
- 281 Digital Multimeter
- 283 Precision Digital Multimeter (True RMS)
- 284 Digital Smart Multimeter
- 286 Digital Tachometer
- 291 Hot Wire Anemometer
- 292 Vane Anemometer

\* Typical Photos



