

# Multifunction Process Calibrator

Portable

MFC 40

Portable Instrument in a Hard / Sturdy Carry Case

**Basic Accuracy: ± 0.025% reading**

Capability to Measure & Simulate Voltages, Current, Resistance, Frequency, Thermocouples & RTDs

## SALIENT FEATURES



Compact & Portable

Capability to Measure & Simulate DC Voltages, DC Current, Resistance, Thermocouples & RTDs

128 x 64 Graphic Display with backlight

Measurement & Simulation of:

DC Voltages	200 mV, 2000 mV, 20 V
DC Current	mA (In) 100 mA & mA (Out) 50 mA
Resistance	500Ω & 5 KΩ
Thermocouples	J, K, T, R, S, B, N
RTDs	Pt100, Pt200, Pt500, Pt1000
Frequency	10000 Hz

Reference Junction Compensation :

Internal Automatic : From 0°C to 50°C

External Adjustable : From 0°C to 60°C

In/Out Data Memory : 20 Values can be stored manually

USB Computer Interface : Provided

CE Certified Product

Conforming to EN61010-1, EN61326-1, EN60529

Environment Testing Standards : JSS 5555 : 2000 REV NO. 2

Ingress Protection Rating : IP 55



Typical Photo. Final Product Look May Vary.

## SPECIFICATIONS

### Table IN-OUT Range

Parameters	Range	Resolution	Accuracy (% reading)
mV (L)	-20 to +200 mV	0.001	±(0.025% + 3 μV)
mV (H)	-0.200 to +2000 mV	0.01	±(0.025% + 10 μV)
Volt	-2 to +20V	0.0001	±(0.025% + 0.1 mV)
mA (In)	0 to 25 mA (Passive Loop), 0 to 100mA (Active)	0.0001	±(0.025% + 0.4 μA)
mA (Out)	4 to 20 mA (Passive Loop), 0 to 20mA (Passive Loop) 0 to 50mA (Active)	0.0001	±(0.025% + 0.4 μA)
Ohms	1 to 500Ω	0.001	±(0.025% + 20 mΩ)
Kilo Ohms	0.01 to 5KΩ	0.0001	±(0.025% + 200 mΩ)
Frequency	100 to 10000Hz	0.1	±(0.025% + 0.1 Hz)
RTD, Pt100	-100 to 850°C	0.01	±(0.025% + 0.01°C)
RTD, Pt200	-100 to 850°C	0.1	±(0.025% + 0.15°C)
RTD, Pt500	-100 to 530°C	0.1	±(0.025% + 0.1°C)
RTD, Pt1000	-100 to 850°C	0.01	±(0.025% + 0.1°C)
Thermocouple, J Type	-190 to 1200°C	0.1	±(0.025% + 0.1°C)
Thermocouple, K Type	-160 to 1260°C	0.1	±(0.025% + 0.1°C)
Thermocouple, T Type	0 to 400°C	0.1	±(0.025% + 0.1°C)
Thermocouple, R Type	150 to 1700°C	0.1	±(0.025% + 0.2°C)
Thermocouple, S Type	170 to 1700°C	0.1	±(0.025% + 0.2°C)
Thermocouple, B Type	920 to 1820°C	0.1	±(0.025% + 0.3°C)
Thermocouple, N Type	0 to 1200°C	0.1	±(0.025% + 0.1°C)

## STANDARD INCLUSIONS

- Multifunction Process Calibrator
- Rechargeable Battery with Power Adaptor
- Operation Manual
- Test Leads
- Calibration Certificates are issued in Accordance with our Scope as granted by NABL per ISO/IEC 17025:2017 Standards

Instrument Dimension (L x B x H) : 330 x 235 x 125 mm

Instrument Weight : 2.5 Kg. (approx.)

*Manufactured by*



## **NAGMAN INSTRUMENTS & ELECTRONICS (P) LTD.**

*Chennai-Bangalore National Highway, Nazarethpet 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](mailto:mktgchennai@nagman.com)  
**Export Sales** Phone : +91-44-66777006, 008. Fax : +91-44-66777050. E-Mail : [exports@nagman.com](mailto:exports@nagman.com)

**[www.nagman.com](http://www.nagman.com)**

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

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