

## Digital Multimeter

# Nagman Dual Display Multimeter

Portable, Table-top Version

**Basic Accuracy :  $\pm 0.02\%$**

**Capability to Measure  
DC / AC Voltages, Current, Frequency & Resistance**

### Model : 8155

- 5½ Digit Dual Display Multimeter with large LCD Display
- Capability to Measure
  - DC Voltage : Upto 1000 V
  - AC Voltage : Upto 750 V
  - DC & AC Current : Upto 10 A
  - Resistance : Upto 200 MΩ
  - Frequency : Upto 50 MHz
- Capability to Measure eight different types of Thermocouples (R, S, K, E, J, T, B & N) & Pt 100 RTD
- Capability to Measure True RMS AC & perform Diode Test
- Built-in self test with Closed case Calibration - no internal calibration adjustment required



## TECHNICAL SPECIFICATIONS

Basic Function	Range	Basic Accuracy	Input Impedance
DC Voltage	200 mV / 2 V / 20 V / 200 V / 1000 V	$\pm(0.02\% + 5)$	
AC Voltage	200 mV / 2 V / 20 V / 200 V / 750 V	$\pm(0.5\% + 50)$	1 M $\Omega$ in series 1 $\mu$ F
DC Current	200 mA / 500 mA / 10 A	$\pm(0.05\% + 5)$	
AC Current	200 mA / 1000 mA / 10 A	$\pm(0.5\% + 30)$	0.01 $\Omega$
Resistance	200 $\Omega$ / 2 k $\Omega$ / 20 k $\Omega$ / 200 k $\Omega$ / 2 M $\Omega$ / 20 M $\Omega$ / 200 M $\Omega$	$\pm(0.03\% + 3)$	
Frequency	500 Hz / 5 kHz / 50 kHz / 500 kHz / 5 MHz / 50 MHz	$\pm(0.03\% + 2)$	

### BASIC FUNCTION

Range	Continuous Resistance	Open Circuit Voltage	Short Circuit Current	Maximum Input Voltage
200 $\Omega$	150 $\Omega$	2.5 V	About 1.25 mA	250 VDC / RMS AC

### DIODE TEST

Range	Accuracy	Maximum Measuring Voltage	Maximum Measuring Current	Maximum Input Voltage
20 V	1%	$\leq 2$ V	About 1.25 mA	250 VDC / RMS AC

### TEMPERATURE

	Type	Resolution	Range	Accuracy	Max. Input
Thermocouple	R	1 $^{\circ}$ C	-40 to 1760 $^{\circ}$ C	0 to 500 $^{\circ}$ C : 2 $^{\circ}$ C / 500 to 1760 $^{\circ}$ C : 1.5 $^{\circ}$ C	1000 VDC 750 Vrms AC
	S	1 $^{\circ}$ C	-20 to 1760 $^{\circ}$ C	0 to 500 $^{\circ}$ C : 2 $^{\circ}$ C / 500 to 1760 $^{\circ}$ C : 1.5 $^{\circ}$ C	
	K	0.1 $^{\circ}$ C	-200 to 1370 $^{\circ}$ C	0 to 1370 $^{\circ}$ C : 2 $^{\circ}$ C	
	E	0.1 $^{\circ}$ C	-200 to 1000 $^{\circ}$ C	0 to 1000 $^{\circ}$ C : 1.5 $^{\circ}$ C	
	J	0.1 $^{\circ}$ C	-200 to 1200 $^{\circ}$ C	0 to 1200 $^{\circ}$ C : 1.5 $^{\circ}$ C	
	T	0.1 $^{\circ}$ C	-200 to 400 $^{\circ}$ C	0 to 400 $^{\circ}$ C : 2 $^{\circ}$ C	
	B	1 $^{\circ}$ C	600 to 1800 $^{\circ}$ C	400 to 800 $^{\circ}$ C : 2.2 $^{\circ}$ C / 800 to 1000 $^{\circ}$ C	
	N	0.1 $^{\circ}$ C	-200 to 1300 $^{\circ}$ C	-200 to 0 $^{\circ}$ C : 1.5 $^{\circ}$ C / 0 to 1300 $^{\circ}$ C : 2 $^{\circ}$ C	
RTD	Pt 100	0.1 $^{\circ}$ C	-200 to 850 $^{\circ}$ C	-200 to 0 $^{\circ}$ C : 0.5 $^{\circ}$ C / 0 to 400 $^{\circ}$ C : 0.7 $^{\circ}$ C / 400 to 850 $^{\circ}$ C : 0.8 $^{\circ}$ C	250 VDC / rms AC

#### STANDARD DELIVERY

- Digital Multimeter – Model : 8155
- Power Cord
- Operation Manual
- Test Leads
- Test Certificate

#### OPTIONAL

- NABL Traceable Calibration Certificate

Product of

## NAGMAN INSTRUMENTS & ELECTRONICS (P) LTD.

- Comprehensive Calibration Solutions (Standards / Systems / Packages / Software / Services)

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