

## FEATURES

- Single 24 position easy to use rotary switch
- High sensitivity of 100uV
- Automatic polarity indication on DC range
- All ranges are protected
- Diode testing with 1mA fixed current
- Transistor hFE test
- Audible Continuity Test Facility
- **500V AC/DC Protection in Resistance, Continuity and Diode Test Range in Red Colour.**

## GENERAL SPECIFICATIONS

Maximum display	: 1999 counts (3 1/2 digits) with Automatic Polarity Indication.
Indication method	: LCD display
Measuring Method	: Dual-slope integration A-D converter system
Overrange Indication	: "1" Figure only in the display
Maximum Common Mode Voltage	: 500V DC/AC rms
Reading Rate	: 2-3 Reading per sec (approximate)
Temperature for Guaranteed Accuracy	: 23°C±5°C
Temperature Ranges	: Operating 0°C to 40°C, 32°F to 104°F Storage 10°C to 50°C, 14°F to 122°F
Power Supply	: One 9-volt battery (NEDA 1604, 6F22 type or equivalent)
Lower Battery indication	: "BAT" to left of display
Size	: 85(w) X 165(D) X 32(H)mm
Weight	: 250g (including 9 Volt battery)
Accessories	: Operating manual, set of test leads, holster and carrying case.



## TECHNICAL SPECIFICATIONS

Accuracies are ± (% reading + No. of digits)  
Guaranteed for 1 year, 23°C±5°C, less than 75%RH

### DC Voltage

Range	Accuracy	Resolution
200mV	+0.5% + 1	100uV
2V		1mV
20V		10mV
200V		100mV
1000V	+0.8% + 2	1V

Input impedance: 10M ohm on all ranges.

Overload protection: 250Vrms on 200mV range & 1000V DC or peak AC on all other ranges.

### OPTIONAL ACCESSORIES:

- Infra-red non contact temperature adaptor to measure temperature from -30°C to 550°C with fixed emissivity of 0.95 and distance to sighting ratio of 8:1. Model TS-03
- Clamp on Current Adaptor to measure current up to 1000A. Model CA-1000D
- Clamp on Current Adaptor to measure upto 200A AC. Model CA-01

### AC Voltage

Range	Accuracy	Resolution
2V	± 0.8% ± 3	1mV
20V		10mV
200V		100mV
750V		1V

Input Impedance	: 10M ohm on all ranges.
Frequency Range	: 40Hz to 400Hz
Overload protection	: 750Vrms or 1000V peak continuous on all ranges
Indication	: Average (rms of sine wave)

### DC Current

Range	Accuracy	Resolution
200uA	± 0.8% ± 1	0.1uA
2mA		1uA
20mA		10uA
200mA	± 1.2% ± 1	100uA
20A	± 2% ± 5	10mA

Overload Protection : 0.2A/250V fuse (20A range not fused)

Maximum Input Current : 20A, 15 sec.

### AC current

Range	Accuracy	Resolution
2mA	± 1.2% ± 3	1uA
20mA		10uA
200mA	± 2% ± 3	100uA
20A	± 3% ± 7	10mA

Overload Protection	: 0.2A/250V fuse (20A range not fused)
Frequency Range	: 40Hz to 400Hz
Maximum Input Current	: 20A 15 sec.
Indication	: Average (rms of sine wave)

### Resistance

Range	Accuracy	Resolution
200Ω	± 0.8% ± 3	0.1Ω
2KΩ		1Ω
20 kΩ		10Ω
200 kΩ	± 0.8% ± 1	100Ω
2 MΩ	± 1% ± 2	1kΩ
20 MΩ		10kΩ

Overload Protection: 500V DC/rms AC

\*Technical Specifications & Appearance are subject to change without prior notice