

TECHNICAL DATA

Features

- Measures AC/DC current/voltage, resistance and capacitance
- High resolution 0.1 mA (AC) and 1 mA (DC)
- True RMS for AC current/voltage
- 6000-count backlit LCD display
- Built-in non-contact voltage detector with LED indicator
- V.F.C (variable frequency control) mode for air-conditioner maintenance and diagnostics
- Low battery and over range indicators
- Diode test and continuity check functions
- Durable double molded plastic housing
- CAT. II 600V, CAT. III 300V safety rating
- Auto shut-off
- Includes test leads, soft carrying case and batteries

Specifications

AC/DC Current

Range:	AC: 600mA, 6000mA, 60mA / V.F.C 600mA-60A DC: 6000mA, 60A
Accuracy:	AC (@ 50/60Hz): 600mA±(1.5% rdg. +10 dgt.) 6000mA±(2.5% rdg. +5 dgt.) 60A±(2% rdg. +5 dgt.) V.F.C ±(4% rdg. +10 dgt.) DC: 6000mA±(2% rdg. +5dgt.) 60A±(2% rdg. +3 dgt.)
Resolution:	AC: 0.1mA, 1mA, 0.01A / 0.1mA, 0.01A DC: 1mA, 0.01A



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AC/DC Voltage

Range: AC: 6, 60, 600V / V.F.C 200-600V
DC: 600mV, 6, 60, 600V

Accuracy: AC: $\pm(0.8\% \text{ rdg.} + 3 \text{ dgt.}) /$
 $\pm(4.0\% \text{ rdg.} + 3 \text{ dgt.})$
DC: 600mV $\pm(0.7\% \text{ rdg.} + 5 \text{ dgt.})$
 $\pm(0.7\% \text{ rdg.} + 3 \text{ dgt.})$

Resolution: AC: 1mV, 10mV, 0.1V, 1V / 0.1V
DC: 10 μ V, 1mV, 10mV, 0.1V, 1V

Resistance

Range: 600 Ω , 6k Ω , 60k Ω , 600k Ω ,
6M Ω , 60M Ω

Accuracy: 600 Ω : $\pm(1\% \text{ rdg.} + 2 \text{ dgt.})$
6/60/600k Ω : $\pm(0.8\% \text{ rdg.} + 2 \text{ dgt.})$
6M Ω : $\pm(1.2\% \text{ rdg.} + 3 \text{ dgt.})$
60M Ω : $\pm(1.5\% \text{ rdg.} + 5 \text{ dgt.})$

Resolution: 0.1 Ω , 1 Ω , 10 Ω , 100 Ω , 1k Ω , 10k Ω

Capacitance

Range: 6nF, 60nF, 600nF, 6 μ F, 60 μ F,
600 μ F, 6mF, 60mF

Accuracy: $\pm(4\% \text{ rdg.} + 5 \text{ dgt.})$

Resolution: 1pF, 10pF, 0.1 μ F, 1 μ F, 10 μ F

General Specifications

Range Selection: Autoranging

True RMS: Yes

Display: 6,000 count LCD display

Display Hold: Yes

Zero Push Button Adjustment: Yes

Diode Test: Yes

Backlit Display: Yes

Overrange Indicator: Yes

Continuity Check: 6,000 count LCD display

Non-Contact Voltage Detector: Yes

Autoshut off: Audible signal if resistance <10 Ω

Power Supply: 2 x "AAA" Batteries

Low Battery Indicator: Yes

Jaw Opening: 0.67" (17mm)

Overvoltage Category: CAT. II 600V, CAT. III 300V

Product Certifications: CE, ETL, RoHS

Operating Temperature: 32 to 104°F (0 to 40°C)

Storage Temperature: 14 to 122°F (-10 to 50°C)

Dimensions: 6.9x 2.4 x 1.3" (175 x 60 x 33.5mm)

Weight: 6oz (170g)



Model	Description
R5015	True RMS mA Clamp Meter
R1000	Safety Test Lead Set, Double Insulated
FC-300	Fused Test Lead Set
C-820	Soft Carrying Case, 8.5 x 5 x 1.75"
CA-52A	Soft Carrying Case, 8 x 2.8 x 1.7"
R5015-NIST	True RMS mA Clamp Meter & NIST