

### TECHNICAL DATA

#### Features

- Measures AC/DC current/voltage, resistance and capacitance
- High resolution 0.1mA (AC) and 1mA (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 /<br>V.F.C 600mA-60A<br>DC: 6000mA, 60A  |
| Accuracy:   | AC (@ 50/60Hz):<br>600mA ±(1.5% rdg. +10 dgt.)<br>6000mA ±(2.5% rdg. +5 dgt.)<br>60A ±(2% rdg. +5 dgt.)<br>V.F.C ±(4% rdg. +10 dgt.)<br>DC: 6000mA ±(2% rdg. +5dgt.)<br>60A ±(2% rdg. +3 dgt.) |
| Resolution: | AC: 0.1mA, 1mA, 0.01A /<br>0.1mA, 0.01A<br>DC: 1mA, 0.01A  |

##### AC/DC Voltage

|             |  |
|-------------|--|
| Range:      | AC: 6, 60, 600V / V.F.C 200-600V<br>DC: 600mV, 6, 60, 600V   |
| Accuracy:   | AC: ±(0.8% rdg. +3 dgt.) /<br>±(4.0% rdg. +3 dgt.)<br>DC: 600mV ±(0.7% rdg. +5 dgt.)<br>±(0.7% rdg. +3 dgt.) |
| Resolution: | AC: 1mV, 10mV, 0.1V, 1V / 0.1V<br>DC: 10µV, 1mV, 10mV, 0.1V, 1V  |



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#### Resistance

Range: 600Ω, 6kΩ, 60kΩ, 600kΩ, 6MΩ, 60MΩ

Accuracy: 600Ω: ±(1% rdg. +2 dgt.)  
6/60/600kΩ: ±(0.8% rdg. +2 dgt.)  
6MΩ: ±(1.2% rdg. +3 dgt.)  
60MΩ: ±(1.5% rdg. +5 dgt.)

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

#### Capacitance

Range: 6nF, 60nF, 600nF, 6μF, 60μF, 600μF, 6mF, 60mF

Accuracy: 6.200nF ±(4%+10)  
62.00nF~ 620.0μF ±(4%+5)  
6.200mF~ 62.00mF ±10%

Resolution: 1pF, 10pF, 0.1μF, 1μF, 10μF

#### Frequency

Range: 10Hz ~ 60kHz

Accuracy: ±(0.1%+4)

Resolution: 0.001Hz ~ 0.01kHz

#### 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 <10Ω

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                |
| R5400      | Line Splitter                          |
| R1000      | Safety Test Lead Set, Double Insulated |
| R1020      | Fused Test Lead Set                    |
| R9940      | Hard Shell Carrying Case               |
| CA-52A     | Soft Carrying Case                     |
| R5015-NIST | True RMS mA Clamp Meter & NIST         |