

### Features

- Measures AC current, AC/ DC voltage, resistance, capacitance, frequency, duty cycle and temperature
- 4000-count LCD display with low battery and overrange indicators
- Built-in non-contact voltage detector with LED indicator
- Display hold and relative mode
- Diode test and continuity check functions
- Durable double molded plastic housing
- Cat. III 600V safety rating
- Includes test leads, thermocouple wire probe, thermocouple adapter, batteries, and soft carrying case

### Specifications

#### AC Current

Range: 40, 400A  
 Accuracy: AC:  $\pm(2.5\% \text{ rdg.} + 8 \text{ dgt.})$   
 Resolution: 0.01, 0.1A

#### AC/DC Voltage

Range: AC: 4, 40, 400, 600V  
 DC: 400mV, 4, 40, 400, 600V  
 Accuracy: AC:  $\pm(1.8\% \text{ rdg.} + 8 \text{ dgt.})$   
 DC:  $\pm(1.5\% \text{ rdg.} + 2 \text{ dgt.})$   
 Resolution: AC: 0.001, 0.01, 0.1, 1V  
 DC: 0.1mV, 0.001, 0.01, 0.1, 1V

#### Resistance

Range: 400 $\Omega$ , 4, 40, 400k $\Omega$ , 4, 40M $\Omega$   
 Accuracy:  $\pm(1.5\% \text{ rdg.} + 2 \text{ dgt.})$   
 0.1 $\Omega$ , 0.001, 0.01,  
 0.1k $\Omega$ , 0.001, 0.01M $\Omega$

#### Capacitance

Range: 40, 400nF, 4, 40, 100 $\mu$ F  
 Accuracy:  $\pm(3\% \text{ rdg.} + 5 \text{ dgt.})$   
 Resolution: 0.01, 0.1nF, 0.01, 0.1 $\mu$ F

#### Frequency

Range: 10MHz  
 Accuracy:  $\pm(1.2\% \text{ rdg.} + 2 \text{ dgt.})$   
 Resolution: 0.01Hz

#### Temperature

Range: -4 to 1400°F (-20 to 760°C)  
 Accuracy:  $\pm(3.0\% \text{ rdg.} + 9^\circ\text{F})$   
 $\pm(3.0\% \text{ rdg.} + 5^\circ\text{C})$   
 Resolution: 1°F, 1°C

### TECHNICAL DATA



*Continued...*

### General Specifications

Range Selection:	Autoranging / Manual
Display:	4,000 count LCD display
Display Hold:	Yes
Relative Mode:	Yes
Diode Test:	Yes
Continuity Check:	Audible signal if resistance <150Ω
Duty Cycle:	Yes
Non-Contact Voltage Detector:	Yes
Autoshut off:	Yes (after 15 mins)
Power Supply:	2 x AAA
Low Battery Indicator:	Yes
Jaw Opening:	1.2" (30mm), up to 350 MCM
Overtoltage Category:	CAT. III 600V
Product Certifications:	CE
Operating Temperature:	32 to 122°F (0 to 50°C)
Storage Temperature:	-4 to 140°F (-20 to 60°C)
Dimensions:	7.9 x 2.6 x 1.5" (200 x 66 x 37 mm)
Weight:	7.2oz (205g)

### TECHNICAL DATA



Model	Description
R5020	AC Clamp Meter
R2990	Thermocouple Adapter
R5400	Line Splitter
R1000	Safety Test Lead Set, Double Insulated
R1020	Fused Test Lead Set
TP-01	Type K Thermocouple Wire Probe
R2920	Surface Thermocouple Probe
R2930	Right Angle Thermocouple Surface Probe
R2940	Air/Gas Thermocouple Probe
R2950	Immersion Thermocouple Probe
R2960	Needle Tip Thermocouple Probe
CA-52A	Soft Carrying Case
C-820	Soft Carrying Case
R5020-NIST	AC Clamp Meter & NIST