

## MULTIMETER

## TECHNICAL DATA

### FEATURES

- AC and DC voltage and current, resistance, capacitance, frequency and duty cycle measurements
- 10MHz frequency counter
- Temperature measurement capability
- True RMS AC voltage and current measurements
- Min/Max/Avg and Peak hold (>1ms) functions
- Store up to 10,000 recorded events
- Real time clock for automatic time stamping of readings
- Log multiple sessions or log data continuously for over 200 hours
- 50,000-count graphical LCD with backlight displays multiple sets of measurement data simultaneously
- Bluetooth interface
- IP67 rated waterproof

### SPECIFICATIONS

- AC/DC Voltage Range:** 50, 500mV, 5, 50, 500, 1000V  
**Resolution:** 0.001, 0.01mV, 0.0001, 0.001, 0.01, 0.1V  
**Accuracy:** AC:  $\pm(0.3\% \text{ rdg.} + 25 \text{ dgt.})$  (50/60Hz);  
 DC:  $\pm(0.025\% \text{ rdg.} + 5 \text{ dgt.})$
- AC/DC Current Range:** 500, 5000 $\mu$ A, 50, 500mA, 10A  
**Resolution:** 0.01, 0.1 $\mu$ A, 0.001, 0.01mA, 0.001A  
**Accuracy:** AC:  $\pm(0.6\% \text{ rdg.} + 25 \text{ dgt.})$  (50/60Hz);  
 DC:  $\pm(0.15\% \text{ rdg.} + 20 \text{ dgt.})$
- Resistance Range:** 50, 500 $\Omega$ , 5, 50, 500k $\Omega$ , 5, 50M $\Omega$   
**Resolution:** 0.001, 0.01 $\Omega$ , 0.0001, 0.001, 0.01k $\Omega$ , 0.01, 0.001M $\Omega$   
**Accuracy:**  $\pm(0.05\% \text{ rdg.} + 10 \text{ dgt.})$
- Capacitance Range:** 5, 50, 500nF, 5, 50, 500 $\mu$ F, 10mF  
**Resolution:** 0.001, 0.01, 0.1nF, 0.001, 0.01, 0.1 $\mu$ F, 0.01mF  
**Accuracy:**  $\pm(2\% \text{ rdg.} + 40 \text{ dgt.})$
- Frequency Range:** 50, 500Hz, 5, 50, 500kHz, 5, 10MHz  
**Resolution:** 0.001, 0.01Hz, 0.0001, 0.001, 0.01kHz, 0.0001, 0.001MHz  
**Accuracy:**  $\pm(0.01\% \text{ rdg.} + 10 \text{ dgt.})$
- Temperature Range:** -50 to 1000 $^{\circ}$ C (-58 to 1832 $^{\circ}$ F)  
**Resolution:** 0.1 $^{\circ}$ C (0.1 $^{\circ}$ F)  
**Accuracy:**  $\pm(1.0\% \text{ rdg.} + 2.5^{\circ}$ C (4.5 $^{\circ}$ F)



### ORDERING INFORMATION

- R5005 ..... True RMS Multimeter  
 CP-09 ..... AC Current Adapter  
 FC-A15 ..... Safety Alligator Clips
- R5005-NIST ..... Multimeter & NIST