

DIGITAL MULTIMETER

TECHNICAL DATA



FEATURES

- Measures AC/DC voltage and current, resistance, frequency ratio, variable frequency voltage (VFC) capacitance and temperature
- True RMS AC voltage and current measurements
- Also capable of detecting non-contact AC voltage and current measurements with optional clamp-on adapter
- Diode test and continuity check functions
- Max/Min, Data hold and Relative modes
- Auto and manual ranging
- Low battery indicator and auto power-off
- Conforms with IEC61010 Cat. III 600V
- Includes test leads, type K thermocouple probe and batteries

SPECIFICATIONS

- AC/DC Voltage Range:** 60.00, 600.0mV, 6.000, 60.00, 600.0V, 600V
Resolution: 10μV, 0.1, 1, 10mV, 0.1, 1V
Accuracy: AC: ±(0.8% rdg. + 3 dgt.);
 DC: ±(0.7% rdg. + 3 dgt.)
- AC/DC Current Range:** 600.0, 6000μA, 60.00, 600.0mA, 6.000, 10.00A
Resolution: 0.1, 1, 10μA, 0.1, 1, 10mA
Accuracy: AC: ±(1.0% rdg. + 3 dgt.);
 DC: ±(0.7% rdg. + 2 dgt.)
- Resistance Range:** 600.0Ω, 6.000, 60.00, 600.0kΩ, 6.000, 60.00MΩ
Resolution: 0.1, 1, 10, 100Ω, 1, 10kΩ
Accuracy: ±(0.8% rdg. + 2 dgt.)
- Capacitance Range:** 9.999nF, 99.99nF to 999.9μF, 9.999 to 99.99mF
Resolution: 1pF, 10pf to 0.1μF, 1μF to 10μF
Accuracy: ±(4% rdg. + 5 dgt.)
- VFC Range:** 200.0 to 600V
Resolution: 0.1, 1V
Accuracy: ±(4.0% rdg. + 3 dgt.)
- Frequency Range:** 9.999Hz to 9.999MHz
Resolution: 0.001Hz to 0.001Mz
Accuracy: ±(0.1% rdg. + 4 dgt.)
- Temperature Range:** -40 to 1000°C (-40 to 1832°F)
Resolution: 1°C (1°F)
Accuracy: °C: ±(2.0% rdg. + 3 dgt.); °F: ±(2.5% rdg. + 5 dgt.)
- Duty Cycle:** 0.1 to 99.9%
- Diode Test:** Around 3V
- Power Supply:** 2 x 1.5V "AA" batteries
- Dimensions:** 175 x 80 x 48.5mm
- Weight:** 370 g

ORDERING INFORMATION

- R5007 Digital Multimeter
 R5900Magnetic Hanging Strap
- R5007-NISTDigital Multimeter & NIST