

Model 6300- Multifunction (Five in one) DMM



3 ¾ Auto ranging DMM with Sound Level, Relative Humidity, Luminance, and Temperature measurements .The DMM that senses its environment.

Features

- Five meters in one. Humidity, Light, Sound, Temperature plus DMM.
- Display reads Humidity and Ambient temperature along with measurement Value.
- Resettable current overload fuses, no need to open the meter to replace a blown fuse.
- Temperature measurement In Fahrenheit or Celsius
- Measures Duty cycle, Frequency and Capacitance
- 3 ¾ digit and 4000 count
- Relative mode and Data hold
- Auto and Manual Ranging
- Auto power-off (Sleep mode)
- Buzzer and flashing light warning when leads are connected to wrong input or overload condition
- Back lit display

Specifications

DC Volts:

Ranges: 400mV, 4V, 40V, 400V, 1000V
 Best Resolution: 100µV
 Accuracy: ± (0.7% +2d)
 Input Impedance: 10MΩ
 Maximum Input volts: 250V 400mV range
 1000V DC all other ranges

AC Volts:

Ranges: 400mV, 4V,40V, 400V, 1000V
 Best Resolution: 100µV
 Accuracy: ± (0.8% +3d)
 ± (3.0% +3d) 400mv range
 ± (1.0% +3d) 1000V Range
 Input Impedance: 10MΩ
 Maximum Input volts: 250V 400mV range
 1000V DC all other ranges

DC Current:

Ranges: 400µA, 4000µA, 40mA, 400ma, 10A
 Best Resolution: 100pA
 Accuracy: ± (1.2% +3d)
 ± (2.0% +3d) 4A and 10A ranges
 Overload Protection: 500mA /250V resettable fuse and 10A/ 250V fuse

AC Current:

Ranges: 400µA, 4000µA, 40mA, 400ma, 10A
 Best Resolution: 100pA
 Accuracy: ± (1.5% +5d)
 ± (3.0% +7d) 4A and 10A ranges
 Overload Protection: 500mA /250V resettable fuse and 10A/ 250V fuse

Resistance:

Ranges: 400.0Ω, 4.000KΩ, 40.00KΩ, 400.0KΩ, 4.000MΩ, 40.00MΩ
 Best resolution: 0.1Ω
 Accuracy: ± (1.2% +2d)
 ± (2.0% +5d) 40MΩ range

Open circuit voltage: approx. 250mV
 Overload Protection: 250VDC or RMS

Capacitance:

Ranges: 4nF, 40nF, 400nF, 4µF, 40µF, 200µF
 Best Resolution: 1pF
 Accuracy: ± (3.0% +3d)
 Overload protection: 250V DC or RMS

Frequency:

Ranges: 9.999Hz, 99.99Hz, 999.99Hz, 9.999KHz, 99.99KHz, 199.9KHz.
 Best Resolution: 0.001Hz.
 Accuracy: ± (1.5% +5d) ranges
 ± (2.0% +5d) 10Hz and 200 KHz
 Unspecified > 200 KHz
 Overload Protection: 250V DC or RMS
 Sensitivity: 0.6V to 3V RMS

Duty Cycle:

Range: 0.1% to 99.9%
 Resolution: 0.1%
 Accuracy: ± 3.0%

Temperature: (Main display)

Range: 0°C to 40°C (32°F to 104° F)
 Resolution: 0.1°C or F
 Accuracy: ± 2°C and ± 4°F

Temperature: (with Thermocouple)

Ranges: -20°C to 1000°C
 Resolution: 1°C or F
 Accuracy:
 ± 5.0% or ±3°C -20°C to 0°C
 ± 1.0% or ±2°C 0°C to 400°C
 ± 2.0% 400°C to 1000°C
 ± 5.0% or ± 6°F -4°F to 32°F
 ± 1.0% or ± 4°F 32°F to 752°F
 ± 2.0% 752°F to 1832°F

Continuity Buzzer:

Open circuit V: 0.5V
 Buzzer will sound at < 40Ω resistance

Diode:

Open Circuit Voltage: 1.5V DC
 Test Current: 1mA
 Overload Protection: 250V DC or RMS

Sound level:

Range: 40dB to 100dB
 Resolution: 0.1dB
 Accuracy:±3.5% at 94dB and a 1KHz sine wave
 Frequency range: 100Hz to 8 KHz

Luminance:

Ranges: 0 to 4000 lux and 0 to 40,000 (x10 lux)
 Resolution: 1 lux (x1 lux) and 10 lux (x10 lux)
 Accuracy: ± (5% +10d) at a color temperature of 2856K calibrated to a standard Incandescent lamp

General Specifications:

Relative Humidity:
 Range: 20~95% Accuracy: ± 5%
 Operating Temperature:
 0 to 40°C (32°F to 122°F) with < 70% humidity
 Dimensions: 7.7" (H) x 3.6"(W) x 2.2" (D)
 195 x 92 x 55 mm

Weight: 14.3 oz

Power:3x 1.5V AAA Batteries

Accessories: Test Leads, Operator's manual and batteries

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