

MultiMaster™ Series Precision MultiMeters

500,000 / 50,000 count, Benchtop accuracy, Wide bandwidth AC+DC True RMS

Features:

- 0.02% basic DCV (MM570) accuracy with 1 μ V maximum resolution at 500,000 counts
- 50,000 count (500,000 for DCV and Hz) backlit LCD display with bargraph
- Filtered frequency function with adjustable trigger levels for variable speed motor drives and high voltage applications
- Special True RMS combination AC+DC function for measurements of rectified AC (non-symmetrical) voltage & current waveforms
- AC/DC current to 10A with 0.01 μ A resolution
- 4 to 20mA, displayed as 0-100% for process current measurements
- Max/Min recording with autoranging
- Capacitance, Frequency, Resistance, Continuity, Duty cycle and Diode tests
- High resolution to 1 μ V, 0.0001Hz, 0.01 Ω , 0.01 μ A and 0.1°
- dBm measurements with 20 selectable impedances
- Features include auto power off, Relative & Hold
- Peak function captures transient pulses
- On power-up, meter defaults to last set function
- Audible and visible test lead misconnection warning
- Optional Windows®95/98 compatible PC communication software and optically isolated cable
- Complete with test leads, Type K thermocouple probe (MM570), protective holster and 9V battery



Additional Features Model MM560:

- Up to 20kHz True RMS ACV bandwidth
- 600V input protection on all functions (1000V on Voltage)



Additional Features Model MM570:

- Up to 100kHz True RMS ACV bandwidth
- 1000V input protection on all functions
- T1, T2 and T1-T2 dual Type K input temperature display in °F or °C



Optional Windows® 95/98 compatible PC communication software and optically isolated cable for data collection.



All models include Double injection molded CAT. III - 1000V Test Leads for safety, better grip and added durability.



CAT III - 1000V

Specifications	Range	Max. Resolution	Basic Accuracy (%rdg+digit)
DC Voltage:	500mV, 5V, 50V, 500V, 1000V	0.001mV	$\pm(0.02\% + 2d)$ MM570 $\pm(0.03\% + 2d)$ MM560
AC Voltage:	500mV, 5V, 50V, 500V, 1000V	0.01mV	$\pm(0.4\% + 40d)$ MM570 $\pm(0.8\% + 30d)$ MM560
DC Current:	500 μ A, 5000 μ A, 50mA, 500mA, 5A, 10A	0.01 μ A	$\pm(0.1\% + 2d)$
AC Current:	500 μ A, 5000 μ A, 50mA, 500mA, 5A, 10A	0.01 μ A	$\pm(0.5\% + 50d)$ MM570 $\pm(1\% + 40d)$ MM560
Resistance (Ω):	500, 5k, 50k, 500k, 5M, 50M	0.01 Ω	$\pm(0.07\% + 2d)$ MM570 $\pm(0.1\% + 6d)$ MM560
Capacitance	50nF to 999 μ F	0.01nF	$\pm(0.8\% + 3d)$
Line Frequency:	5Hz to 200kHz	0.0001Hz	$\pm(0.008\% + 4d)$
Logic Frequency:	5Hz to 2MHz	0.0001Hz	$\pm(0.008\% + 4d)$
Temperature: (MM570 only)	-58 to 1832°F (-50 to 1000°C)	0.1°	$\pm(0.3\% + 1^\circ\text{C}/2^\circ\text{F})$
Duty Cycle:	0.1% to 99.99%	0.01%	$\pm(3d/\text{kHz} + 2d)$
Dimensions/ Wt:	7.32 x 3.42 x 1.39" (186 x 87x 35.5mm) / 0.75lb (340g)		

Ordering Information:

- MM560MultiMaster™ Precision MultiMeter
 MM560-NIST ..MultiMaster™ MM560 with NIST Certificate
 MM570MultiMaster™ Precision MultiMeter with Temperature
 MM570-NIST ..MultiMaster™ MM570 & Temperature with NIST Certificate
 SW810Software Diskette and Serial Cable
 TL805Spare set of CAT. III - 1000V Test Leads
 TL807Set of Alligator Clips (2pk) for TL805
 TP872Spare Bead Wire Temperature Probe
 CA899.....Vinyl Pouch Carrying Case

