EXTECH INSTRUMENTS
A FLIR COMPANY

Experience the Extech Advantage

PRODUCT DATASHEET

MultiMaster™ Series Precision MultiMeters

50,000 / 500,000 count and high accuracy multimeters

Full range multimeter functions with high resolution to 0.1µA/0.1mV and CAT IV-600V Safety Rating

Multimaster Features:

- 0.02% (MM570A) and 0.03% (MM560A) basic DCV accuracy
- 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 0.01µA 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 1µV, 0.0001Hz, 0.01Ω, 0.01µA 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/NT/2000/ME/XP compatible PC communication software and optically isolated cable
- Complete with test leads, Type K thermocouple probe (-22 to 572°F/ -30 to 300°C)(MM570A), protective holster with stand and 9V battery

Additional Features Model MM560A:

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

Additional Features Model MM570A:

- 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



Model MM560A

Model MM570A



Optional Windows® 95/98/NT/ 2000/ME/XP compatible PC communication software and optically isolated cable for data collection.



All models include Double injection molded CAT IV - 600V Test Leads for safety, better grip and added durability.

Specifications	Range	Max. Resolution	Basic Accuracy (%rdg+digit)
DC Voltage	500mV, 5V, 50V, 500V, 1000V	0.01mV	±(0.02% + 2d) MM570A ±(0.03% + 2d) MM560A
AC Voltage	500mV, 5V, 50V, 500V, 1000V	0.01mV	±(0.4% + 40d) MM570A ±(0.8% + 60d) MM560A
DC Current	500µA, 5000µA, 50mA, 500mA, 5A, 10A	0.01µA	±(0.1% + 20d)
AC Current	500µA, 5000µA, 50mA, 500mA, 5A, 10A	0.01µA	±(0.7% + 50d) MM570A ±(1% + 40d) MM560A
Resistance (Ω)	500, 5k, 50k, 500k, 5M, 50M	0.01Ω	±(0.07% + 2d) MM570A ±(0.1% + 6d) MM560A
Capacitance	50nF to 9999µF	0.01nF	±(0.8% + 3d)
Line Frequency	5Hz to 200kHz	0.0001Hz	±(0.002% + 4d)
Logic Frequency	5Hz to 2MHz	0.0001Hz	±(0.002% + 4d)
Temperature (MM570A)	-58 to 1832°F (-50 to 1000°C)	0.1°	±(0.3% +1°C/2°F)
Duty Cycle	0.1% to 99.99%	0.01%	±(3d/kHz + 2d)
Dimensions/ Wt	7.32 x 3.42 x 1.39" (186 x 87x 35.5mm) / 0.75lb (340g)		

Ordering Information:

MM560A .....MultiMaster™ Precision MultiMeter
MM560A-NIST ..MultiMaster™ MM560A with Calibration Traceable to NIST.
MM570A .....MultiMaster™ Precision MultiMeter with Temperature
MM570A-NIST ..MultiMaster™ MM570A & Temperature with Calibration Traceable to NIST
SW810A .....Software CD and Serial Cable
TL805 .....Spare set of CAT IV - 600V Test Leads
TL807 .....Set of Alligator Clips (2pk) for TL805
TP873 .....Spare Bead Wire Temperature Probe
CA899 .....Vinyl Pouch Carrying Case

CE c UL us LISTED EN 61010-1 CAT IV 600V 3 YEARS WARRANTY

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Specifications subject to change without notice.

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