

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 | 0.001mV | ±(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:

- MM560AMultiMaster™ Precision MultiMeter
- MM560A-NIST ..MultiMaster™ MM560A with NIST Certificate
- MM570AMultiMaster™ Precision MultiMeter with Temperature
- MM570A-NIST ..MultiMaster™ MM570A & Temperature with NIST Certificate
- SW810ASoftware CD and Serial Cable
- TL805Spare set of CAT IV - 600V Test Leads
- TL807Set of Alligator Clips (2pk) for TL805
- TP873Spare Bead Wire Temperature Probe
- CA899Vinyl Pouch Carrying Case