



MASTECH MS8340A Digital Multimeter User Guide

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MASTECH MS8340A Digital Multimeter User Guide



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How to download?



Safety Instructions



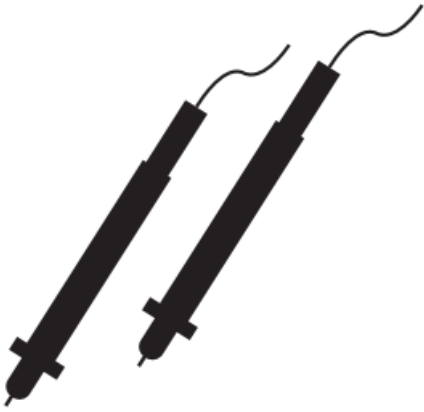
The special attention should be paid when using the test and measurement instrument because the improper usage may cause electric shock and damage the equipment.

- Use proper measurement category (CAT), voltage, and amperage rated probes, test leads, and adapters for the measurement.
- Do not use or store the device around explosive gas, vapor, or under high temperature and humidity.
- When handling the test probes and crocodile clips, keep your fingers behind the physical guard.
- Examine the measuring test leads (if present) before use. Any element of which the insulation is deteriorated (even partially), replace them with proper functional test leads.
- Connect the common test lead before the live test lead and remove the live test lead before the common test lead.
- Before measuring current, make sure the instrument fuses available and disconnect the power supply to the circuit test
- Remove the batteries if the device is not used for an extended period of time, or if stored in temperatures above 45 °C. If the batteries are not removed, battery leakage can damage the device.

Contents



1.



2.



3.



4.



5.

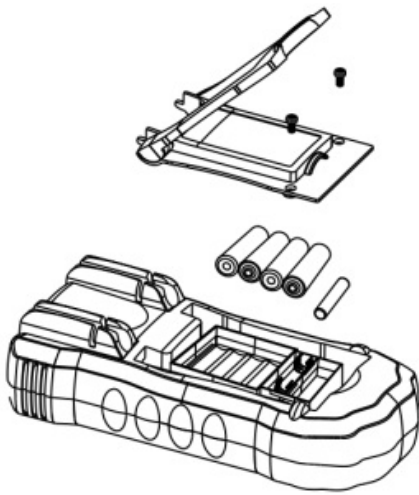


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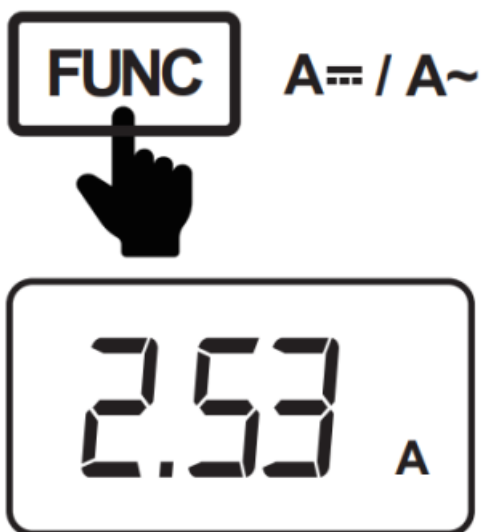
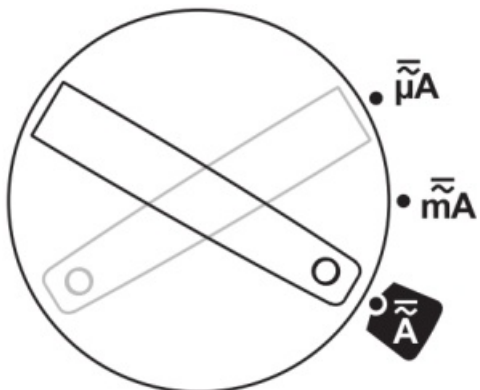
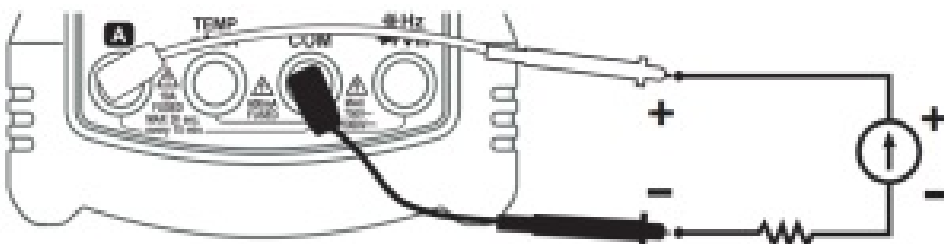
Specifications

	Range	Resolution	Accuracy
V_{DC}	600mV/6V 6V/60V/600V/1000V	0.1mV/1mV 1mV/10mV/0.1V/1V	$\pm(0.5\%+3)$ $\pm(0.8\%+3)$
V_{AC}	6V/60V/750V(50Hz) 6V/60V/750V(2 kHz)	10mV/0.1V/1V 10mV/0.1V/1V	$\pm(1.5\%+4)$ $\pm(2.0\%+3)$
A_{DC}	600μA/6mA/V60mA/ 600mA/10A	0.1μA/1μA/10μA/ 0.1mA/10mA	$\pm(1.2\%+4)$
A_{AC}	600μA/6mA/60mA/600mA 10A	0.1μA/1μA/10μA/0.1mA 10mA	$\pm(1.5\%+3)$ $\pm(2.0\%+3)$
R	600Ω/6kΩ/60kΩ/600kΩ/ 6MΩ/60MΩ	0.1Ω/1Ω/10Ω/0.1kΩ/ 1kΩ/10kΩ	$\pm(1.0\%+2)$
C	40nF/400nF 4μF/40μF/400μF	0.01nF/0.1nF 0.001μF/0.01μF/0.1μF	$\pm(3.0\%+2)$ $\pm(3.5\%+2)$
Hz	10Hz/100Hz/1kHz/10kHz 100kHz/1 MHz/10MHz	0.001Hz/0.01Hz/0.1Hz/1Hz 10Hz/0.1 kHz/1kHz	$\pm(2.0\%+3)$ $\pm(2.0\%+3)$
Hz%	1%~99%	0.1%	$\pm(1.0\%)$
°C/°F	10°C~700°C /14°F~1292°F	1°C /1°F	$\pm(3.0\%+3)$

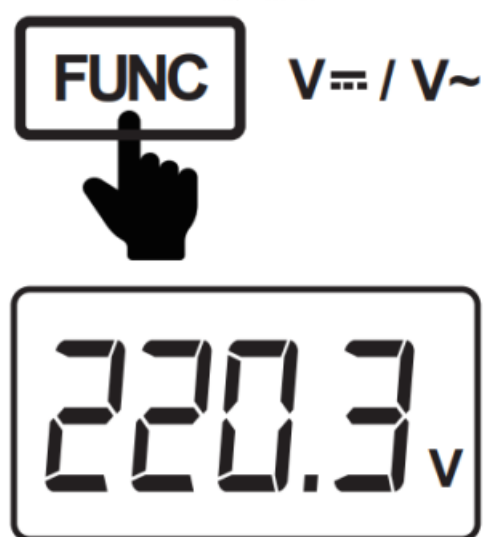
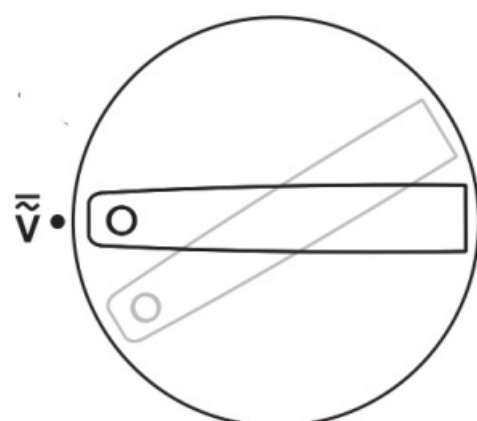
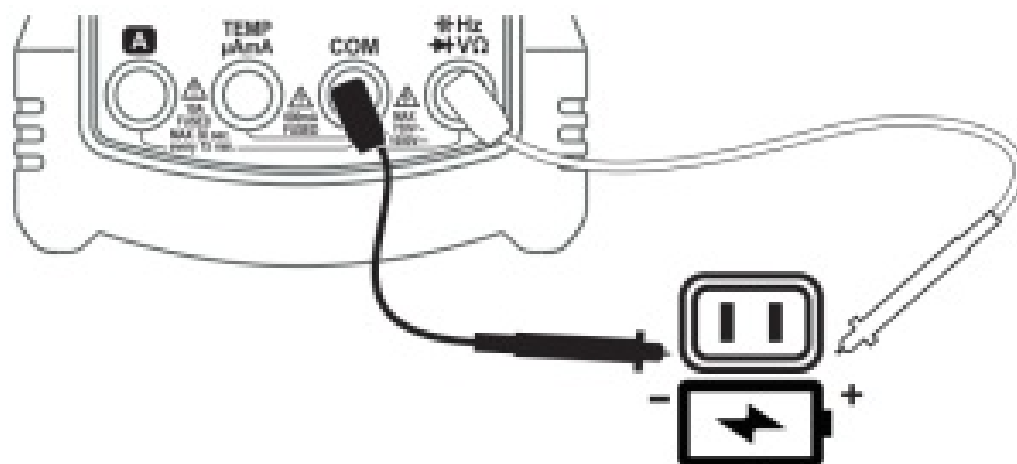
Battery Installation



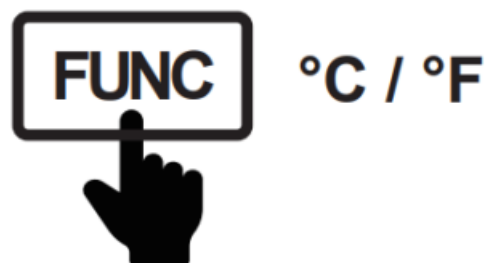
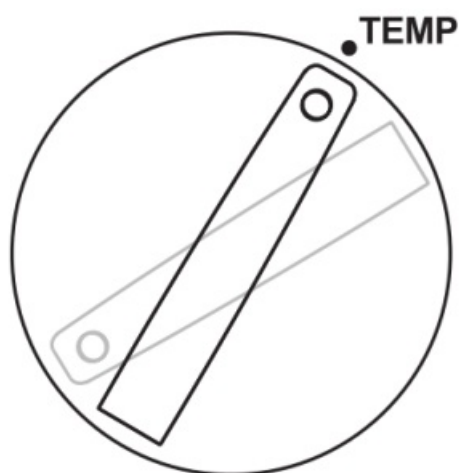
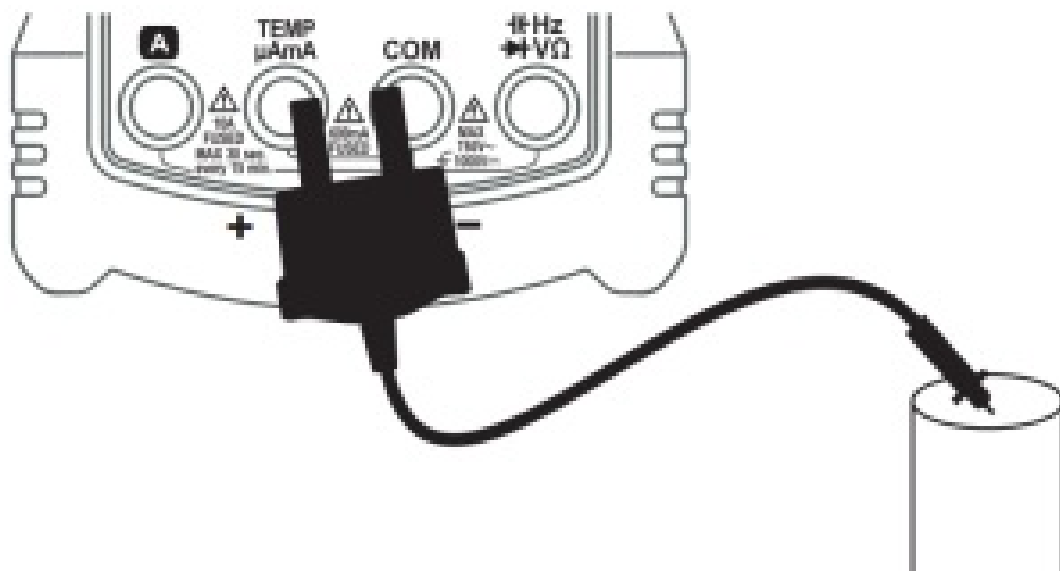
How to Check Current?



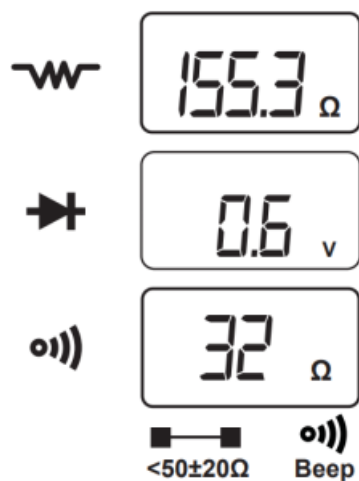
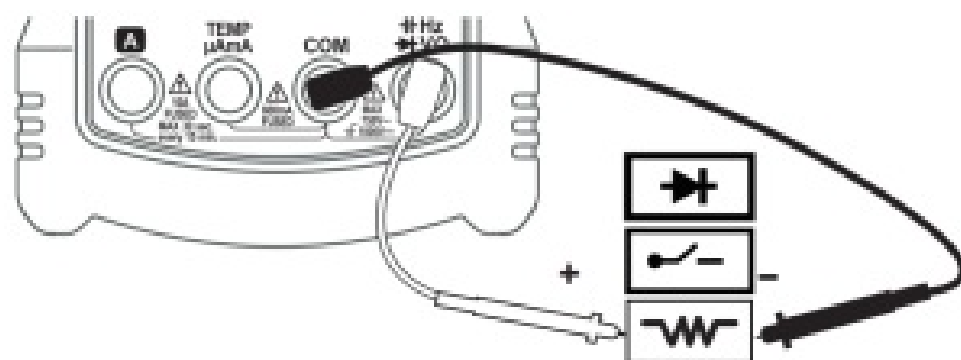
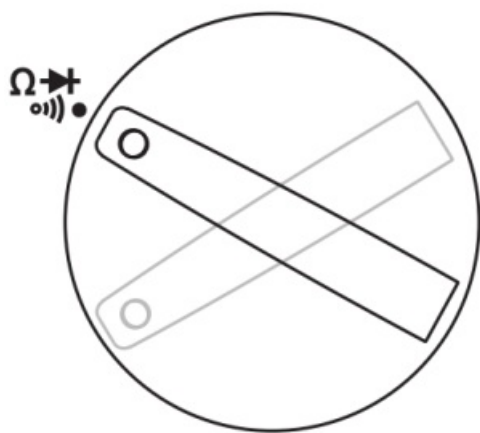
How to Check Battery Voltage?



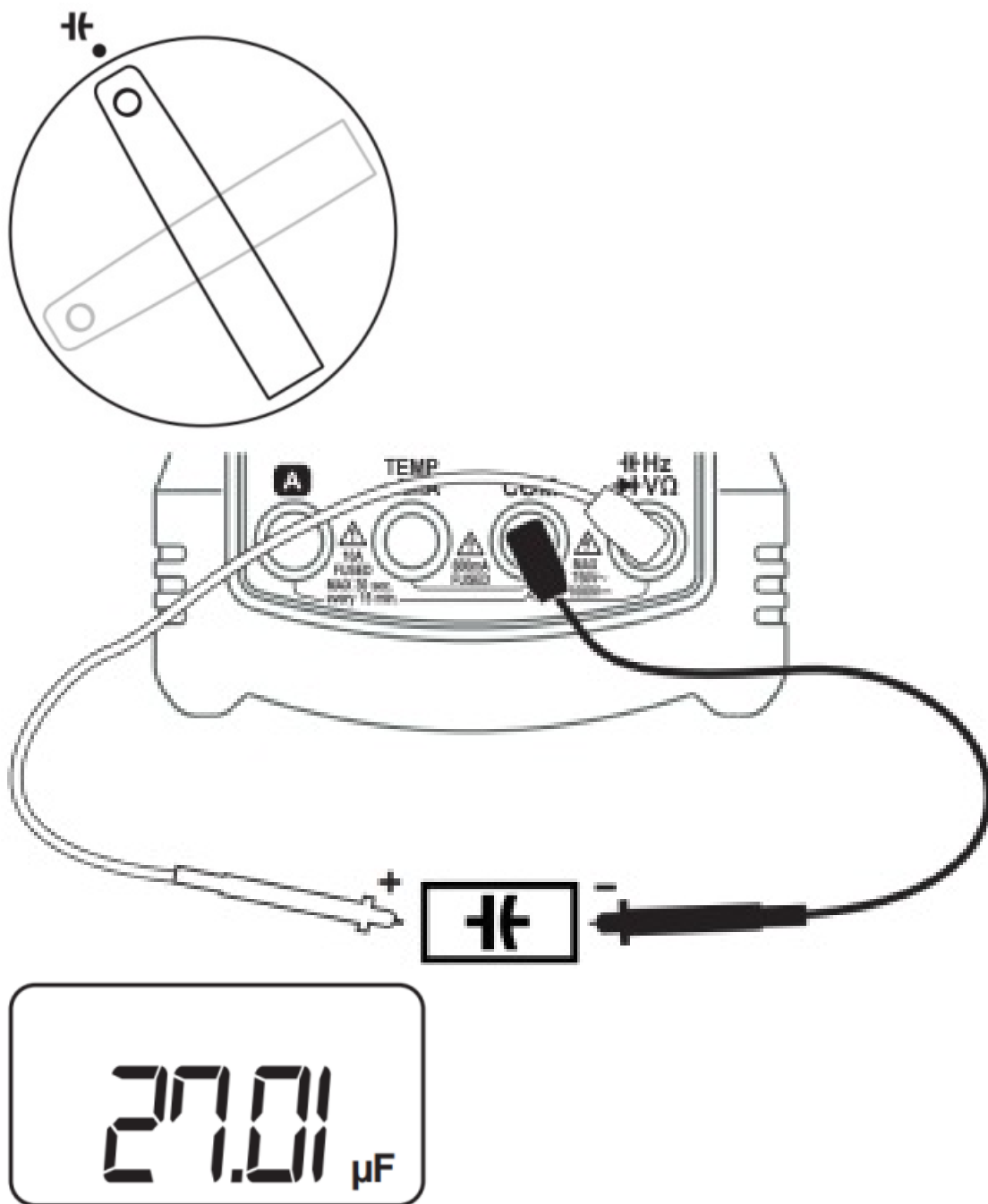
How to check temperature?



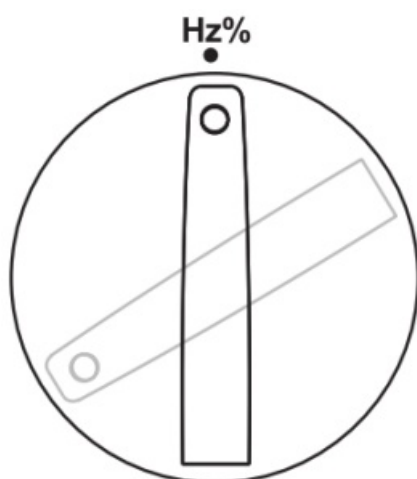
Check Current, Voltage



Checking Instruction

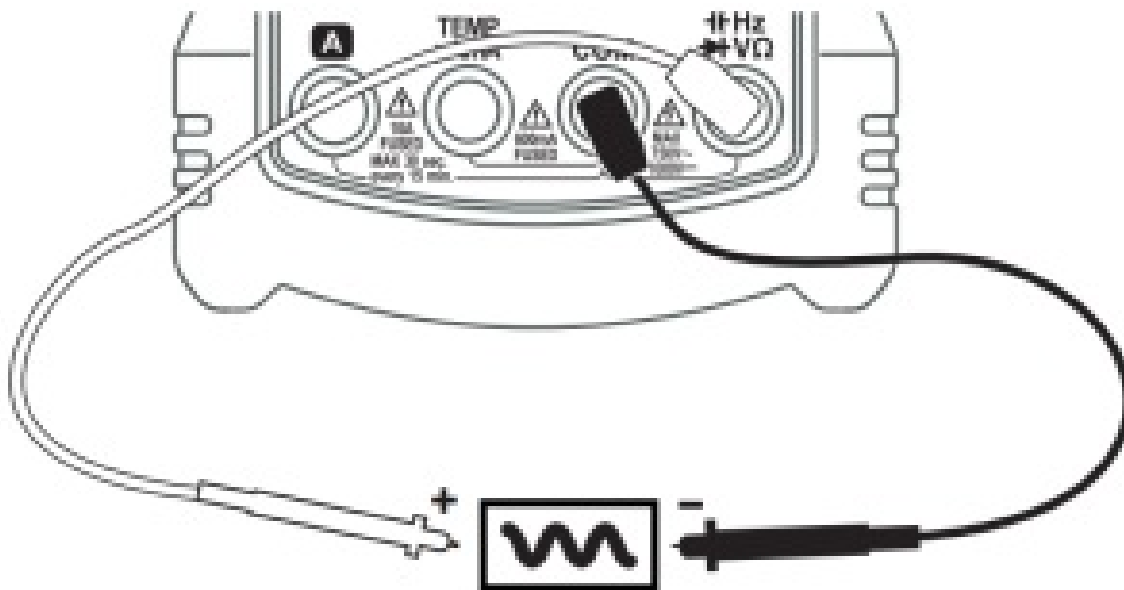


Hz / Duty





Hz/Duty



50.12 Hz

63 %

Documents / Resources



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MS8340A, Digital Multimeter