


MASTECH MS2115A Digital Multimeter User Guide

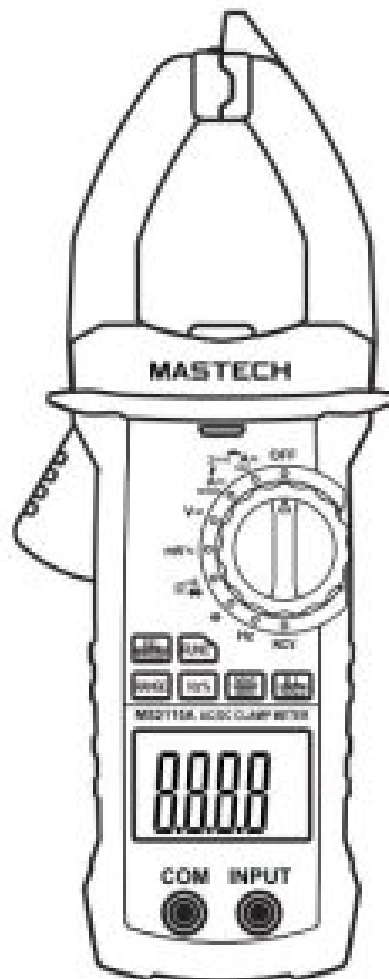
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MS2115A

700019208 July 2021 Rev. 1.4

Specifications are subject to change without notification.



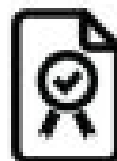
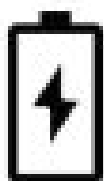
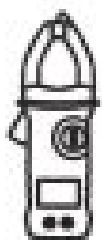
Warning

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 are 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.

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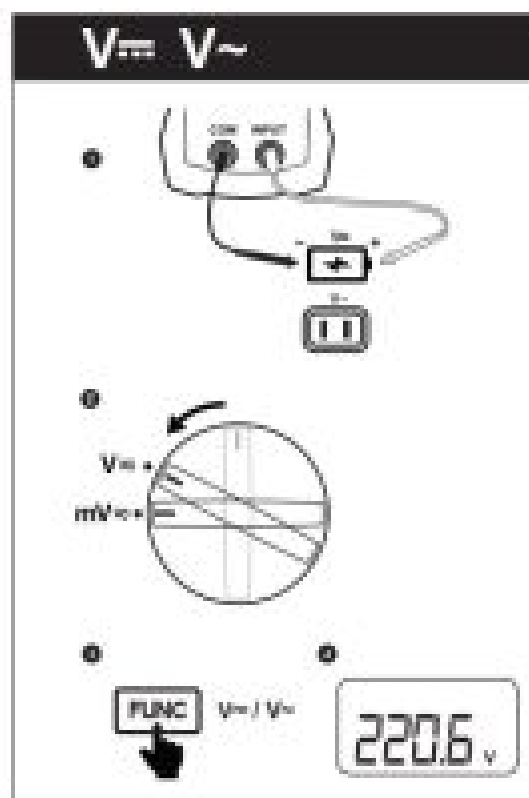
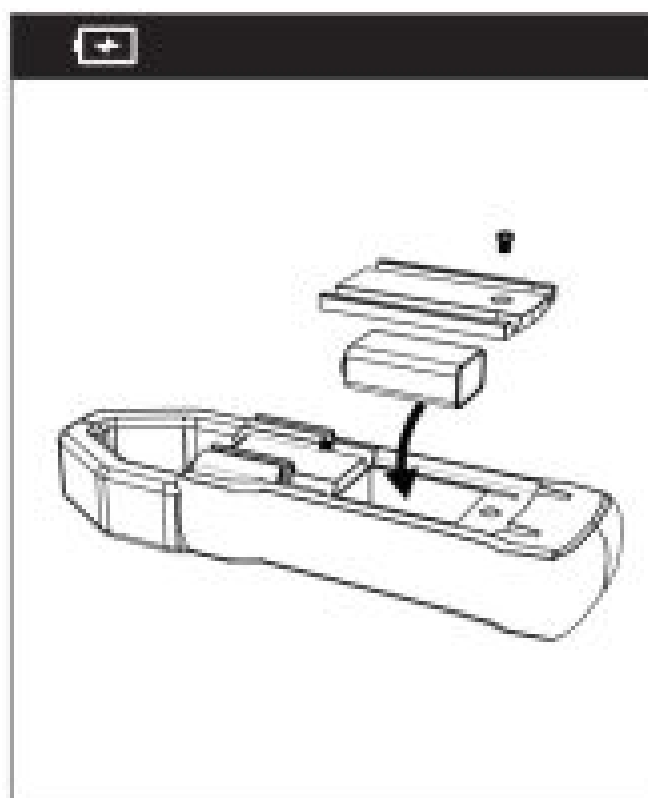
Specifications

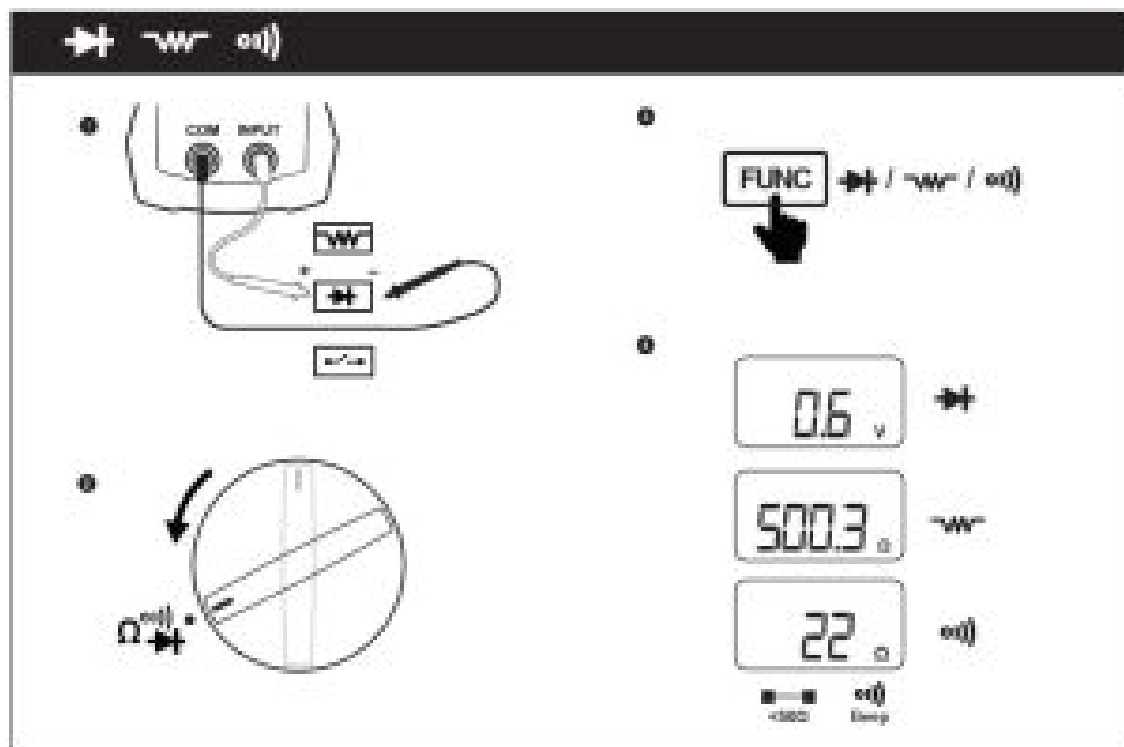
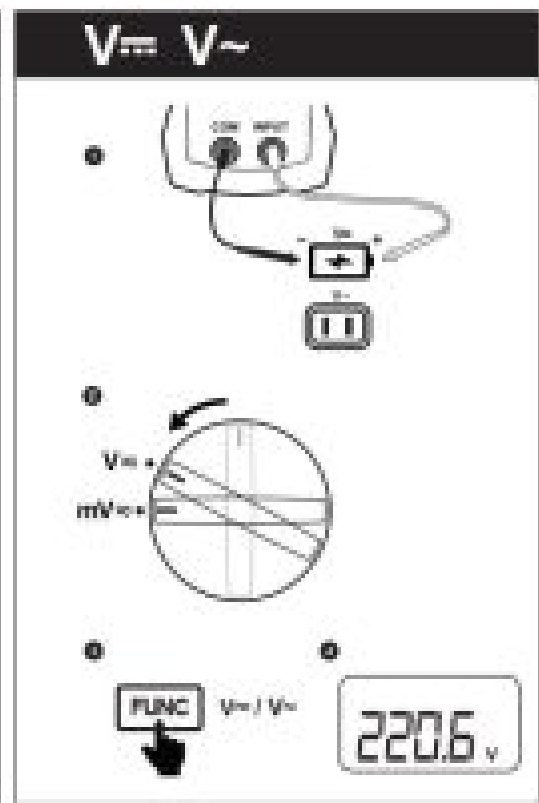
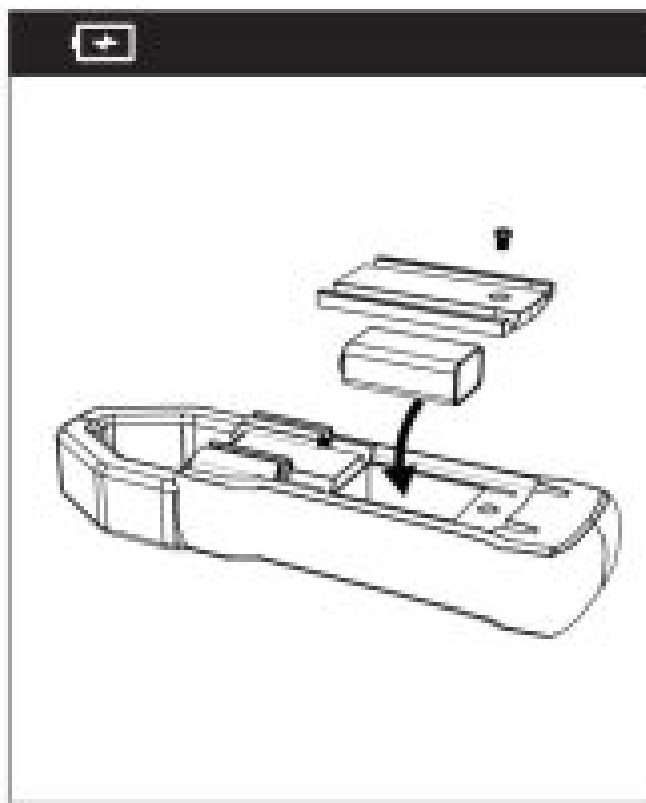
Range

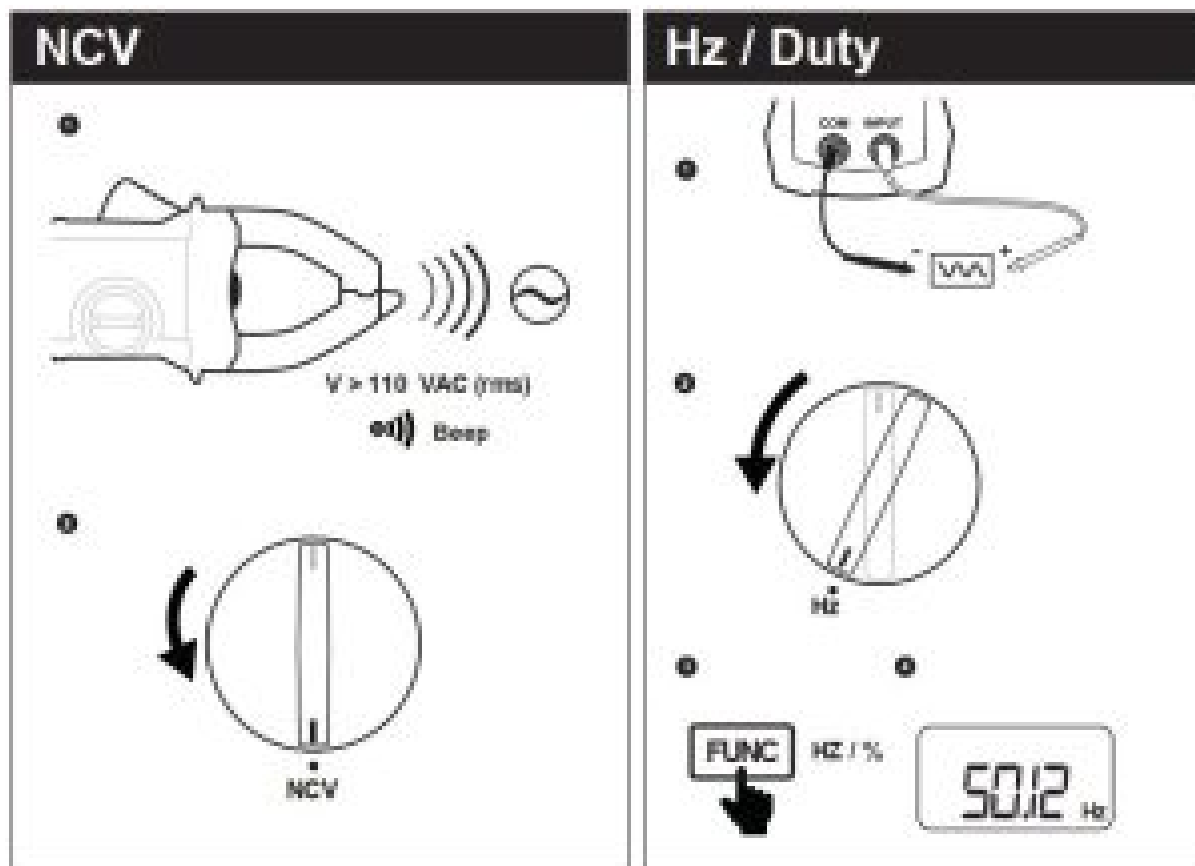
Resolution

Accuracy

V~	60mV/600mV/6V/60V/600V 750V	0.01mV/0.1mV/0.001V/0.01V/0.1V 1V	$\pm(0.6\%+5)$ $\pm(0.8\%+4)$
V=	60mV/600mV/6V/60V/600V 1000V	0.01mV/0.1mV/0.001V/0.01V/0.1V 1V	$\pm(0.5\%+3)$ $\pm(0.8\%+4)$
A~	60A 600A/1000A	0.01A 0.1A/1A	$<60A$ $\pm(5\%+60)$
A=	60A/600A/1000A	0.01A/0.1A/1A	$\pm(2.0\%+8)$
R	600 Ω /6k Ω /60k Ω /600k Ω 6M Ω /60M Ω	0.1 Ω /0.001k Ω /0.01k Ω /0.1k Ω 0.001M Ω /0.1M Ω	$\pm(0.8\%+3)$ $\pm(0.2\%+5)$
C	10nF/100nF/1000nF/10 μ F 100 μ F/1000 μ F/10mF/100mF	0.001nF/0.01nF/0.1nF/0.001 μ F 0.01 μ F/0.1 μ F/0.001mF/0.01mF	$\pm(3.0\%+5)$ $\pm(3.0\%+5)$
Hz	100Hz/1000Hz	0.01Hz/0.1Hz	$\pm(1.5\%+5)$
Hz%	0.1%~99.9%	0.1%	$\pm(3.0\%+0)$







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