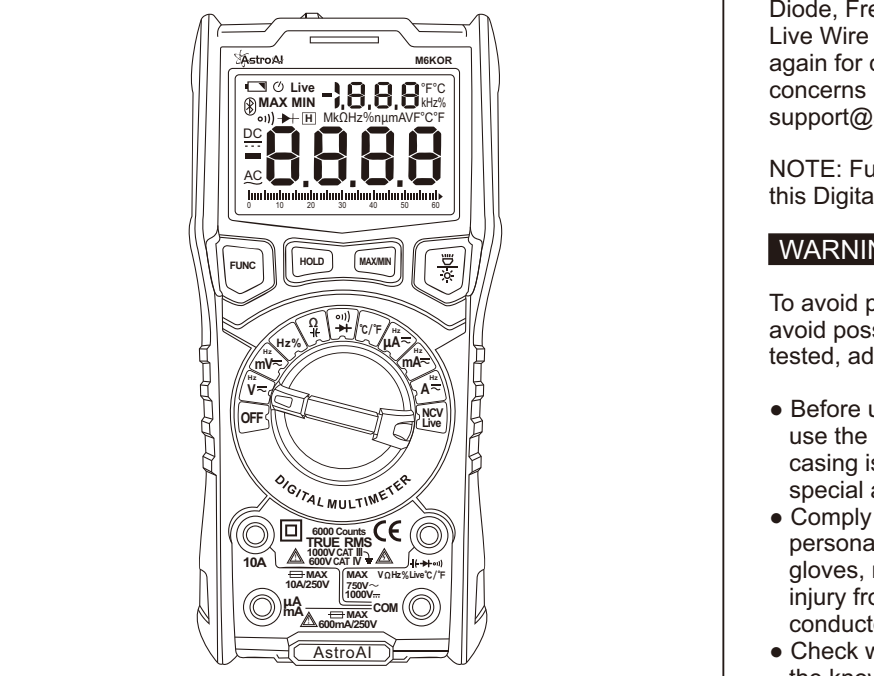


True RMS 6000 Count
Digital Multimeter

V1.0

Thank you for purchasing the True RMS 6000 Count Digital Multimeter from AstroAI. The AstroAI True RMS Digital Multimeter is designed to be accurate and accurately used by professionals or DIYer's that need a little more utility from their standard digital multimeter. This manual provides all safety information, operation instruction, specifications, and maintenance for the meter. The instrument performs AC/DC Voltage, AC/DC Current, Resistance, Audible Continuity, Diode, Frequency, Duty Ratio, Capacitance, NCV Detection, Live Wire Detection and Temperature Testing. Thank you again for choosing AstroAI, if you have any questions or concerns regarding your product, please contact us at support@astroai.com.

NOTE: Fully read and understand this manual before using this Digital Multimeter.

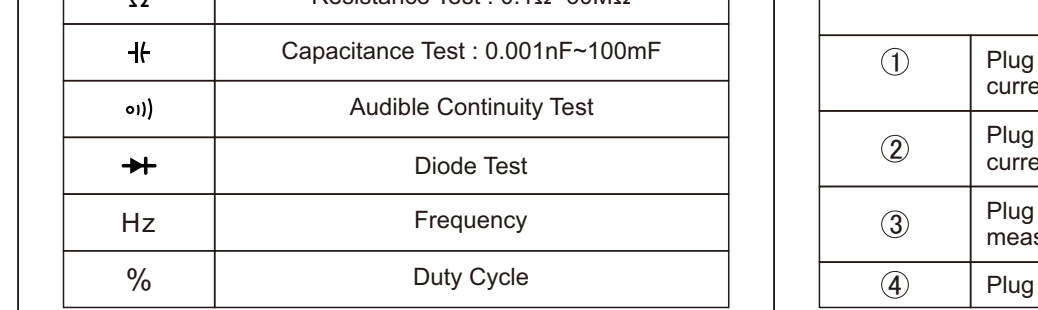
WARNING

To avoid possible electric shock or personal injury, and to avoid possible damage to the Meter or to the equipment being tested, adhere to the following rules:

- Before using the Meter, inspect the exterior casing. Do not use the Meter if it is damaged or if all or part of the exterior casing is removed. Look for cracks or missing plastic. Pay special attention to the insulation around the connectors.
- Comply with local and national safety regulations. Wear personal protective equipment (such as approved rubber gloves, masks, and flame-retardant clothing, etc.) to prevent injury from electric shocks and arcs when hazardous live conductors are exposed.
- Check whether the Meter is working normally by measuring the known voltage, do not use if the readings are incorrect or the Meter is damaged.

- When servicing the Meter, use only the same model number or identical electrical specifications replacement parts.
- When using the test leads, keep your fingers behind the finger guards.
- Do not apply more than the rated voltage, as marked on the Meter, between the terminals or between any terminal and grounding.
- Do not use or store the Meter in a high-temperature environment, do not expose to high levels of humidity, or near strong magnetic fields. The performance of the Meter may deteriorate after dampening.
- When the Meter is working at an effective voltage over 60V in DC or 30V rms in AC, special care should be taken because there is a danger of electric shock.
- When measuring, connect the neutral wire or ground wire first, and then connect the live wire; when disconnecting, disconnect the live wire first, and then disconnect the neutral wire and the ground wire.
- Replace the battery as soon as the battery indicator appears. With a low battery, the Meter might produce false readings that can lead to electric shock and personal injury.
- Remove the connection between the testing leads and the circuit being tested and turn the Meter power off before opening the Meter case.
- The manual rotary switch should be placed in the correct position before measurement and should NOT be moved during measurement to prevent damage to the Meter.
- Turn the Meter off when not in use and take out the battery when it is not going to be used for an extended period. Regularly check the battery as it may leak when it has not been used for some time. Replace the battery as soon as leaking appears. A leaking battery will damage the Meter.

ELECTRICAL SYMBOLS			
	Warning		Dangerous Voltage
	AC (Alternating Current)		Earth Ground
	DC (Direct Current)		Fuse
	AC and DC		Double Insulation
	Low Battery Symbol		Compliance with EU Standards
CAT III	Category III test equipment is suitable for testing and measurements of circuits connected to the power distribution portion of a low-voltage power supply unit in a building.		
CAT IV	Category IV test equipment is suitable for testing and measurements of circuits connected to the power supply of a low-voltage power supply unit in a building.		

MULTIMETER DIAGRAM

- ① NCV Detector
- ② Flashlight Button
- ③ Indicator Light
- ④ LCD Screen
- ⑤ Function buttons
- ⑥ Rotary Function Switch
- ⑦ 10A Terminal
- ⑧ INPUT Terminal
- ⑨ COM Terminal
- ⑩ μ A/mA Terminal

	① Test Leads
	② K-Type Thermocouple

GETTING TO KNOW YOUR DEVICE						
● BUTTONS FUNCTIONS						
Button	Function					
NOTE: Use the FUNC Button to further select the function if there are multiple functions in one rotary setting. For example: Switching between AC and DC voltage tests.						
NOTE: Pay special attention to the selected setting before performing any tests.						
	• Press this button while performing a test to hold (freeze) the reading for easy recording. The screen will display when the hold function is activated. Press the button again to cancel the data hold.					
	• When taking a measurement, press this button once to enter "Max Mode". In this mode, the multimeter will capture the highest reading it records. Press this button again to enter "Min Mode" which will capture the lowest reading it records. Press and hold this button to exit the Max/Min Modes.					

- Backlight: Press this button to turn on/off the screen's backlight.
- Flashlight: Long Press this button to turn on/off the flashlight.

	AC/DC Current Test : 0~10A
	AC/DC Current Test : 0~600mA
	AC/DC Current Test : 0~6000uA
	Fahrenheit Temperature
	Celsius Temperature
	NCV Detection
	Live Wire Detection

TERMINALS

①	Plug the red test lead into this terminal for currents between 600mA and 10A.
②	Plug the red test lead into this terminal for currents less than 600mA.
③	Plug the red test lead into this terminal for all measurements except current.
④	Plug the black test lead into this terminal.

- Turn the rotary dial to the setting. When the voltage is below 600mV, turn the dial to the setting. Press the "FUNC" button to switch between AC/DC voltage. The screen will indicate the setting that the DMM is currently in. "DC" will display for DC measurements and "AC" will display when the Meter is set to measure AC.

- When turning on or function switching, the corresponding input indicator light will flash to remind the user which terminal is inserted.

- High Voltage/High Current Indication:
 - When the measured voltage is higher than 80V or the measured current is higher than 1A, the orange backlight will light up, prompting the user to be careful.

- Low Battery Indication:
 - If the symbol appears on the display, the battery should be replaced immediately.

- AC Frequency Display:
 - When measuring AC voltage/current, the frequency of the voltage/current will display.

- Turn the rotary dial to the setting. The LCD screen will indicate whether the setting is in AC. Use the "FUNC" button to choose the appropriate setting.
- SPECIAL NOTE: The orange backlight will illuminate when the measured voltage is higher than 80V.

HOW TO USE THIS MULTIMETER

- I. MEASURING VOLTAGE
 - Insert the red test lead into the "Input" jack and the black test lead into the "COM" jack.

- Turn the rotary dial to the setting. When the voltage is below 600mV, turn the dial to the setting. Press the "FUNC" button to switch between AC/DC voltage. The screen will indicate the setting that the DMM is currently in. "DC" will display for DC measurements and "AC" will display when the Meter is set to measure AC.

- Under the setting, connect the red test lead to the input terminal and the black test lead to COM terminal.

- Under the setting, connect the red test lead to 10A terminal and the black test lead to COM terminal.

- Disconnect the power supply of the circuit under test. Connect the meter to the circuit under test in series, and then turn on the power supply of the circuit.

- The reading will be displayed on the LCD screen.

- Turn the rotary dial to the setting.

- Insert the red test lead into the "Input" jack and the black test lead into the "COM" jack.
- Connect the test leads to the source or load to be measured.

- Turn the rotary dial to the setting. When the voltage is below 600mV, turn the dial to the setting. Press the "FUNC" button to switch between AC/DC voltage. The screen will indicate the setting that the DMM is currently in. "DC" will display for DC measurements and "AC" will display when the Meter is set to measure AC.

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- Turn the rotary dial to the setting. The LCD screen will indicate whether the setting is in AC. Use the "FUNC" button to choose the appropriate setting.
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