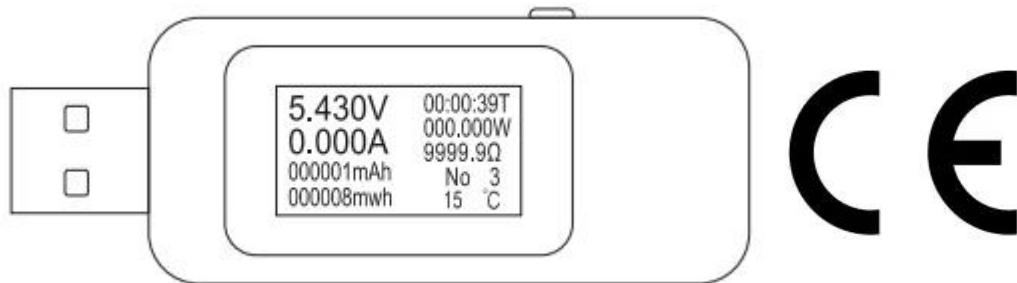




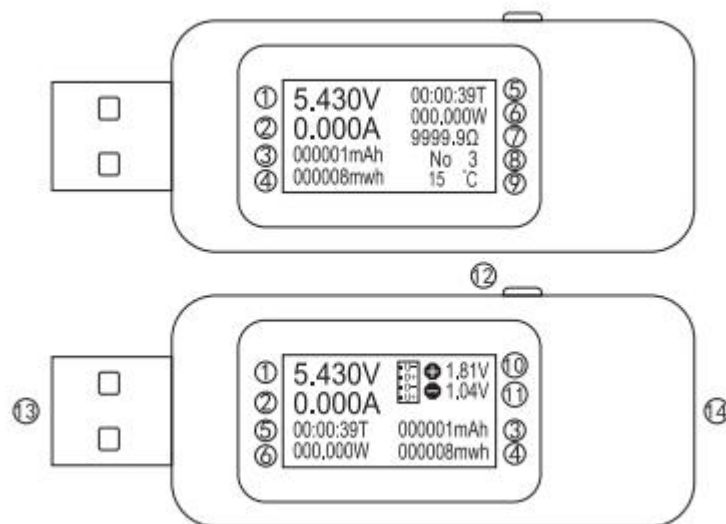
EN: This Datasheet/Document is presented by the manufacturer.

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USB Tester KWS-MX18L Manual



1. Product Parameters



- | | |
|----------------------------------|-----------------------------|
| 1. Voltage: 4-30V | 2. Current: 0-6.5A |
| 3. Electricity: 0-999999mAh | 4. Energy: 0-999999mWh |
| 5. Timing: 0-99hours | 6. Power: 0-200W |
| 7. Charging resistance: 0-999.9Ω | 8. Grouping: Group 1-9 |
| 9. Internal temperature: 0-80°C | 10. Positive voltage: 0-10V |
| 11. Negative voltage: 0-10V | 12. Function button |
| 13. Input USB | 14. Output USB |

2. Product Usage Instructions

(1) Operation Steps

- Short **press** the button: **View** and **switch** all saved experimental data.
- Long **press** the button: **Clear** the currently saved experimental data.
- Quick **double press** the button: **switch** the display interface.
- Voltage **Calibration** Operation: Press and hold the button, then **power on** the product to **enter** the voltage calibration interface (default reference value $5.00V\pm$); during calibration, quickly double press the button again to **exit** the calibration interface. Under the calibration interface (when $5.00V$ is displayed), short press the button to **increase** the displayed voltage, and quickly double press the button to exit the increase operation; short press the button can also **decrease** the displayed voltage, and quickly double press the button to exit the decrease operation.
- Current **Calibration** Operation: Under the voltage calibration interface (displaying $5.00V\pm$), press and hold the button, then short press the button again; the screen will display "Current Calibration", and the system will **automatically** perform current calibration; after calibration is **completed**, the device will automatically **return** to the main interface and can be used normally.

(2) Usage Restrictions

- The voltage **measurement range** is 4-30V; it cannot measure normally **beyond** this range.
- The current **measurement range** is 0-4.5A; **exceeding** this range may **damage** the product.
- The power **measurement range** is 0-200W; it cannot measure normally **beyond** this range.
- This product is only suitable for testing **USB interface** devices; it is **strictly prohibited** to use it for devices with other interfaces.
- Do not use this product in **humid, high-temperature** ($> 80^{\circ}C$), **flammable and explosive** environments.
- Do not **disassemble** or **modify** the product; otherwise, the **warranty** will be invalidated, and potential **safety hazards** may arise.

3. Safety Information

- This product is only used for **USB interface** testing; it is **strictly prohibited** for other purposes, otherwise, it may cause **equipment damage** or **personal injury**.
- Do not **exceed** the specified parameter range during measurement; exceeding the range may cause **product failure**, **short circuit**, or even **fire**.

- Do not use it in **humid, high-temperature** ($> 80^{\circ}\text{C}$), **flammable and explosive** environments to avoid safety accidents caused by **short circuit** or **electric leakage**.
- Do not **disassemble, modify, squeeze, or drop** the product; damage to internal **precision components** may lead to **inaccurate measurement** or **safety hazards**.
- Calibration operations must be performed in **strict accordance with** the manual; incorrect operations may cause **distortion of measurement data**.
- If the product has **abnormal heat, smoke, or odor** during use, **immediately stop using** it and **disconnect all connections**.
- This product is **not a toy**; keep it away from **children** to prevent **accidental ingestion** and **electric shock**.

4. Applicable Regulations and Harmonized Standards

- Complies with RoHS 2.0 (2011/65/EU) environmental protection standard
- Complies with CE-LVD (2014/35/EU) Low Voltage Directive
- Complies with CE-EMC (2014/30/EU) Electromagnetic Compatibility Directive
- Complies with FCC Part 15B Federal Communications Commission (FCC) standard