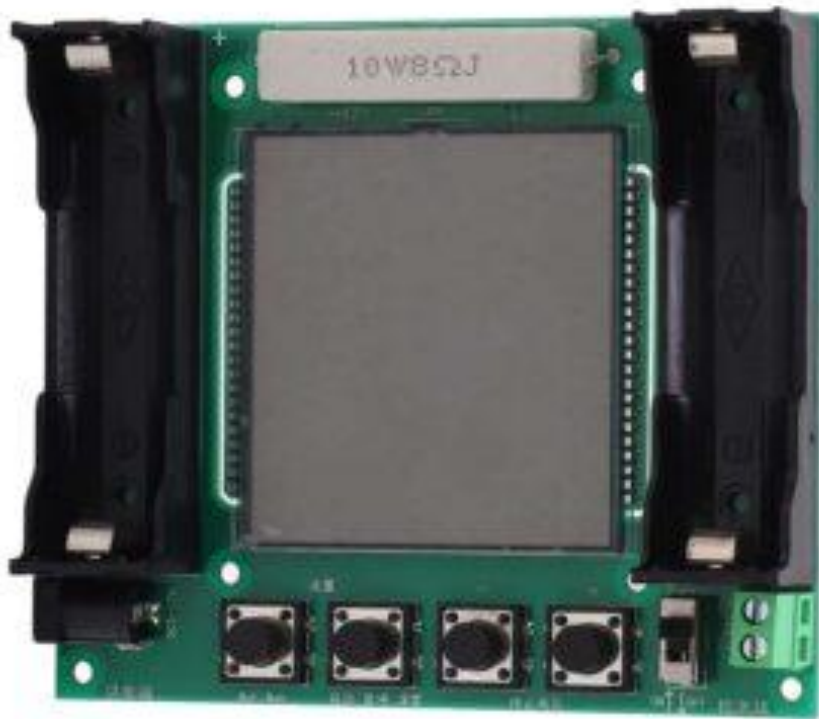


XH-M239 18650 Battery Capacity Tester with LCD Display

The **XH-M239 18650 Battery Capacity Tester with LCD Display** is a practical and reliable tool designed for accurately measuring the capacity and performance of 18650 lithium-ion batteries. Whether you are an electronics enthusiast, a repair technician, or someone who frequently works with rechargeable batteries, this module provides an easy way to check the health and efficiency of your 18650 cells.

This tester is equipped with a clear **LCD screen** that displays real-time data such as voltage, current, and discharged capacity, allowing users to quickly evaluate battery quality. Compact, user-friendly, and highly precise, the **XH-M239 tester** has become an essential tool for battery testing and DIY electronics projects.



Key Features of the XH-M239 18650 Battery Capacity Tester with LCD Display

1. **Accurate Capacity Measurement**

The tester measures the real discharge capacity of 18650 lithium batteries, helping you identify whether a cell is functioning at its rated performance.

2. **LCD Display for Real-Time Data**

The built-in LCD screen clearly shows important readings such as voltage, current, discharge time, and capacity, making it easy to track the entire testing process.

3. **Wide Compatibility**

While optimized for **18650 batteries**, this tester can also be used with other lithium-ion cells that operate within the supported voltage range.

4. **Automatic Cut-off Function**

To ensure safety and protect batteries from over-discharge, the module automatically stops testing once the voltage drops to a preset level.

5. **Compact and Durable Design**

Designed with quality components and a small form factor, the **XH-M239 module** is portable, reliable, and long-lasting.

Applications of the XH-M239 Battery Capacity Tester

The **XH-M239 18650 Battery Capacity Tester with LCD Display** can be used in many fields and applications:

- **Battery Health Check** – Determine the actual performance of used or recycled 18650 batteries.
- **DIY Electronics Projects** – Ideal for hobbyists who build custom power banks, battery packs, or electronic circuits.
- **Repair and Maintenance** – Useful for technicians who work with rechargeable batteries in laptops, flashlights, and power tools.
- **Quality Assurance** – Helps verify the specifications of newly purchased 18650 cells before using them in critical projects.
- **Educational Use** – Great for students and learners who want hands-on experience with battery testing and energy measurement.



Technical Specifications

- **Model:** XH-M239
- **Supported Battery Type:** 18650 Lithium-ion and similar cells
- **Input Voltage:** 5V (via micro USB or external supply)
- **Display:** LCD screen for voltage, current, and capacity readings
- **Measurement Range:** Voltage, current, discharge time, and capacity (mAh)
- **Cut-off Voltage:** Adjustable to protect batteries
- **Compact Size:** Lightweight and portable design



How the XH-M239 Works

The working principle of the **XH-M239 18650 Battery Capacity Tester with LCD Display** is straightforward. Once the battery is connected, the tester discharges it through a controlled load while monitoring voltage and current. As the discharge process continues, the module calculates the total capacity (mAh) and displays it on the LCD screen. When the battery voltage reaches the preset cut-off level, the tester automatically stops, ensuring safe operation and accurate results.

This process gives users a clear understanding of the actual performance of their battery compared to the manufacturer's rated capacity.



Why Choose the XH-M239 18650 Battery Capacity Tester?

- **Easy to Use** – Simple connection and automatic operation make it user-friendly for both beginners and professionals.
- **Accurate Results** – Provides reliable capacity measurements essential for evaluating battery performance.
- **LCD Convenience** – Clear and easy-to-read display ensures real-time monitoring.
- **Cost-Effective Tool** – Affordable solution for battery testing without needing expensive lab equipment.
- **Safe and Reliable** – Built-in protection against over-discharge makes it a safe option for daily use.



Conclusion

The **XH-M239 18650 Battery Capacity Tester with LCD Display** is an essential tool for anyone working with lithium-ion batteries. It provides accurate, safe, and easy-to-read capacity testing, making it ideal for DIY hobbyists, electronics repair shops, and professionals who need to verify battery performance. Compact, reliable, and efficient, this tester is the perfect addition to your electronics toolkit.

With its clear LCD display, automatic protection, and precise results, the **XH-M239 battery tester** helps you ensure that your 18650 cells are performing at their best. Whether for personal use or professional applications, it offers a dependable way to evaluate battery health and make informed decisions.