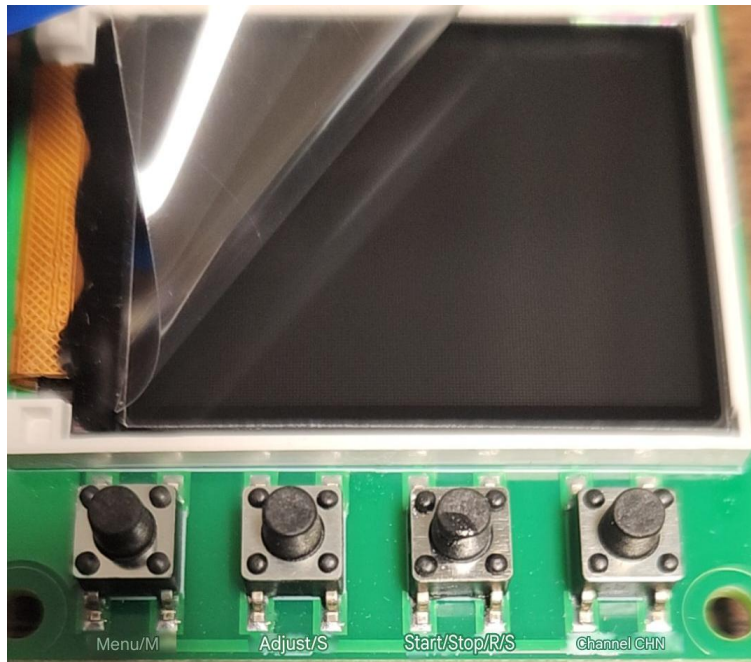


# **BAT-T-18650-DUAL 18650 Lithium Battery Capacity Tester**

## **Instructions for Use**

The 4 switches from left to right are the following as shown in the image below:

- **Switch 1:** Menu/M
- **Switch 2:** Adjust/S
- **Switch 3:** Start/Stop/R/S
- **Switch 4:** Channel CHN.



### **1. Powering On and Off**

- This product has no power switch. It automatically turns on when connected to a **5V power supply via USB-C** and shuts down when disconnected.

### **2. Language Switching**

- Press and hold the "**Menu / M**" button while powering on.
- The main interface will appear on the screen.
- Release the "**Menu / M**" button and wait 10 seconds for the device to restart with the new language setting.

### **3. Switching Display Channels**

- Each channel operates independently and does not interfere with the others.
- Press the "**Channel / CHN**" button to switch between display channels.
- View and adjust the parameters for each channel as needed.

#### **4. Internal Resistance Testing**

- Insert the battery and power on the device.
- After 10 seconds, the screen will display the battery voltage and internal resistance test results.
- This product uses a DC two-wire method for internal resistance testing, which may have limitations:
  - If the battery is unrecognized, the internal resistance will always display 9999 milliohms.
  - Without a battery installed, the test circuit remains open, simulating infinite resistance, and will also display 9999 milliohms.

#### **5. Charging Function (Not Suitable for Lithium Iron Phosphate Batteries)**

- Insert the battery into the holder and set the mode to "Charging".
- Press "**Start/Stop/R/S**" to begin charging.
- Once charging is complete, the status indicator will confirm completion.
- The device records capacity, energy, charging time, and metering data—however, use discharge capacity as the primary reference.

#### **6. Capacity Testing**

- Capacity testing requires battery discharge, which takes time.
- The discharge process generates high temperatures—avoid touching the discharge resistor to prevent burns.
- The displayed capacity represents the measured value from the start of the discharge to the stop trigger.

#### **7. Capacity Division & Running Cycle**

- The process involves charging, discharging, and recharging the battery.
- The stop voltage must not drop below 2.8V, or the battery will not charge, and the program will not function properly.

#### **8. Data Reset**

- Upon shutdown or mode switching, all stored data for capacity, energy, and time is automatically cleared.