CHEN TECH ELECTRIC

# CHEN TECH | New Generation Compact Battery Testing Equipment MCL2 MINI


**Mobility: High**

- Compact, which makes maximum utilization of space possible
- Light weight and portable

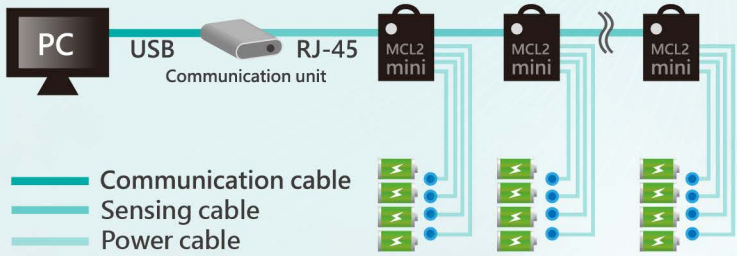
**Flexibility: High**

- Individual channels work independently
- Support channel parallel connection to scale up charging/discharging specification

**Capability: High**

- Measurement and control accuracy up to 0.02%
- Highly stable data recording up to 1000Hz(1ms)
- Two-phased charging/discharging pulse frequency up to 100Hz

## System Architecture




## Spec

| Spec | | MCL2 Mini-5A | MCL2 Mini-10mA |
|---|---|---|---|
| Channels | | 4 | |
| Voltage | Range | 0V~5V | |
| | Resolution | 0.1mV | |
| | Accuracy | ±0.02% F.S. | |
| Current | Range | ±5mA~±5A. | ±10μA~±10mA. |
| | Resolution | 0.1mA | 1μA |
| | Accuracy | ±0.02% F.S. | ±0.02% F.S.(2μA) |
| Temp | Range | -50~150°C | |
| | Resolution | 0.1°C | |
| | Accuracy | ±1°C | |
| Data Recording Time | | 100ms (option:10ms,1ms) | |
| Pulse Charge(option) | | 100Hz two-phased charging/discharging pulse | |
| Rising/Falling Time | | <5ms (option:<300μs) | <5ms (option:<50μs) |
| Communication Protocol | | CANBus (USB to PC) | |
| Dimension(mm) | | W230*H204*D147 | |

## Options

- Data Analysis Software
- SOH Evaluation Software
- Gas Gauge/BMS Data Acquisitor
- Chamber/Third-Party Chamber Control
- Channel Paralleling Module

## Application

- Battery material research
- Battery cell testing
- Developed for meeting laboratory requirements


**www.chentech.com.tw for further information**

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# Brand-new iBest Software Upgraded User Experience UP+

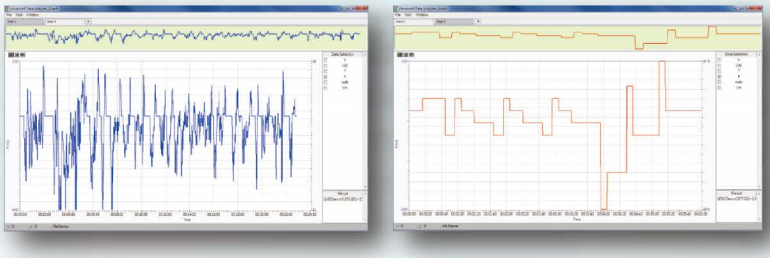
## Customized Main Status Dashboard

Allow users to choose among multiple UI styles according to active channel quantity.

## Built-in International Testing Standards

Bundle several international testing standards for users to efficiently test battery performance.

1. Pulse Charge: Intel Turbo Boost
2. EV Drive Simulation: FUDS, DST
3. DCIR: IEC 61960, ISO 12405

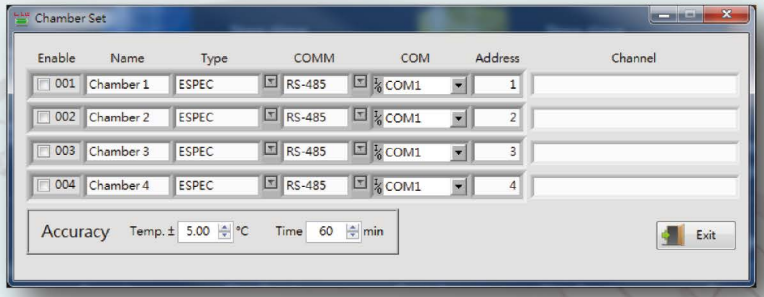


## Intelligent Testing Program Edition

In addition to traditional current setup method, provide advanced “C-rate” and “mAh/g” options, allowing users to edit testing programs in an intuitive way.

## Handy Add-on Module Control

Control chamber, voltage/ temperature data collector, and BMS data collector directly using iBest software.




## Real-time Data Analysis

Offer friendly data analysis tool, allowing users to flexibly manipulate testing data.

1. View real-time testing results
2. Partially zoom-in/ zoom-out data curve
3. Change x-axis/ y-axis of the data curve
4. Compare testing results from multiple cycles