

# MACCOR

BATTERY & CELL TEST EQUIPMENT WORLD WIDE

## MODEL 4400

# AUTOMATED TEST SYSTEM

The Model 4400 has all the power of Maccor's Series 4000 floor standing cabinet conveniently packaged in a portable tool case enclosure.



The Model 4400 is supplied as a complete turnkey system with Laptop PC and software. Powered by Maccor's standard test system software and utilizing the same technology found in Maccor's high-precision Series 4000 Automated Test System, the Model 4400 is the perfect portable test system in Maccor's line of high-quality, dependable test systems.

The Model 4400 is supplied with a PowerPole® interface for easily connecting cables or cell holders. Each tool case cabinet is configured with up to 4 test positions and is easily transportable for remote / off-site testing.

The Model 4400 is configured with multi-current range channels, which have a current control range of 300nA to 5A. These channels are configured with a voltage range of  $\pm 5$  volts as standard. The accuracy for current and voltage on these channels is  $\pm 0.02\%$  FSR.

## Functions

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- Adaptable To A Wide Range Of Products (i.e. batteries, super-capacitors, fuel cells, etc.) and Battery Chemistries
- Easily Portable For Remote / Off-Site Testing
- Easy To Use And Maintain Minimizing Labor Force
- Easily Adaptable To Meet A Wide Range Of Testing Needs
- Each Test Station Operates Independently Of The Other Positions
- Can Be User Programmed To Operate In Steps Of Constant Current, Constant Power, Constant Voltage, Constant Resistance, or Voltage Scan (Cyclic Voltammetry).
- With the MIMS Client software, data is easily viewed graphically with different standard graphs. Several Chart types may be displayed at the same time with the ability to store the display settings as a template. Data from different devices may be overlaid on a single chart or viewed side-by-side.

## Specifications

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Configuration	1 – 4 channels
Current	
Current Range	4 ranges (150 $\mu$ A, 5mA, 150mA, 5A)
Maximum Channel Charge Current	5 Amps
Minimum Full Scale Current	150 $\mu$ Amps
Current Control Range (constant current mode)	300 nAmps to 5 Amps
Voltage	
Minimum Measurement	-5 Volts
Standard Voltage Range	$\pm$ 5 Volts
Power	
Maximum System Charge Power	200 Watts
Maximum System Discharge Power	200 Watts
Time	
Minimum Step Time	5 mS*
Control, Measurement, and Adjustment	every 5 mS
* 4.6 mS Telecom Pulsing Feature As Standard	
Dimensions (not including laptop PC)	
Approximate Size	8" high x 21" wide x 13" deep 20.3 cm high x 53.3 cm wide x 33.0 cm deep
Approximate Weight	22 lbs. (10 kgs.)

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**MACCOR**

Maccor, Inc

4322 S 49<sup>th</sup> W Avenue  
Contact: Mark Hulse  
Telephone: +1 918-630-2256  
Email: m.hulse@maccor.com

Tulsa, Oklahoma 74107 USA  
Position: V.P Sales & Marketing  
Facsimile: +1 918-445-1496  
Web: www.maccor.com