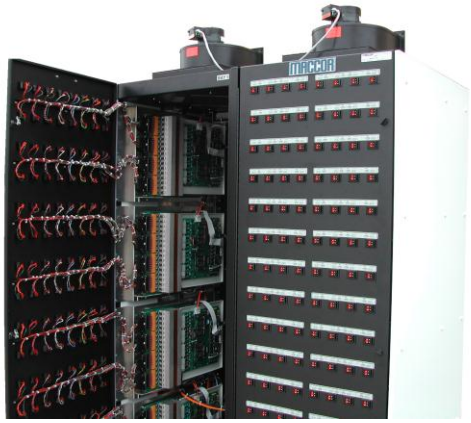
MACCOR

BATTERY & CELL TEST EQUIPMENT WORLD WIDE

PRIMARY CELL TEST SYSTEMS

The multifunction series 3600's (Models 3600 and 3650, shown right) primary cell test systems have been engineered to meet the growing demands of existing and upcoming ANSI and IEC tests. Each test position:



256 position model 3650

- Operates independently of the other positions
- Can be user programmed to run a wide range of multi step tests, including pulse tests
- Can be user programmed to operate in steps of fixed current, fixed power, fixed voltage, fixed resistance
- Has a dynamic range to ANSI and IEC standards of current | power | resistance of over 25,000 to 1
- Is delivered calibrated to NIST traceable standards, and requires calibration only once per year

Systems are available from a 32 position desktop model to large test and quality control models with thousands of test positions. Desktop models are usually available from stock.

Powered by Maccor's standard test system software and utilizing similar technology as found in Maccor's high-precision Series 4000 Automated Test System, the Series 3600's are ideal for today's testing standards. The software can be configured to automatically print a standard primary cell end of test report. Custom data handling interfaces or user interfaces are available as options.

The Model 3600 has a Phoenix connector interface with horizontal cell configuration providing a dense and compact configuration. Each cabinet (standard 19" rack) can handle up to 192 test positions. The Model 3600 is also available in a desktop cabinet with 32-test positions.

The Model 3650 has a Powerpole® interface with vertical cell configuration. The 3650 has a slightly larger footprint than the 3600, each cabinet can be configured with as many as 256 test positions.

For production and quality control systems, test positions can be accessed remotely with a PC over a network interface allowing the operator to view, start, and stop tests directly at the cell interface. For more information contact Maccor's Sales Department.

Specifications

Current

Range 1	1 mA Full Scale ±0.2 µA
Range 2	15 mA Full Scale ±3.0 µA
Range 3	200 mA Full Scale ±40.0 µA
Range 4	2500 mA Full Scale ±500 µA

Voltage

Measurement Range	0 – 5 volts ±1 mV
Minimum Discharge	0.2 volts or 0.35 x Current, whichever is greater

Modes of Operation

Fixed (Constant) Current	Fixed (Constant) Power
Fixed (Constant) Resistance	Fixed (Constant) Voltage
Pulse Loads (e.g., 10 sec/min; 3 sec on 7 sec off)	
Variable Duty Cycles (e.g., 8 hpd, 16 hpd, continuous)	

Time

Minimum Step Time	500 mS
Control, Measurement, and Adjustment	every 50 mS

Options

Cell Holders

Molded True 4-Wire Kelvin Cell Holders	AAA, AA, C, D, 9V, and 18650
Universal Button Cell Holders	
Spring Loaded Binding Posts	

Cables

Contact Maccor's Sales Department for Length and Terminations

Uninterruptible Power Supply

Calibration and Maintenance Service

32 Position Desktop Model 3600

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