

## CELLTRON ADVANTAGE SPECS:

### Model Numbers:

CAD-5500 (Gold Kit)  
CAD-5200 (Silver Kit)  
CAD-5000 (Bronze Kit)

### Applications:

Tests individual Lead-Acid or Nickel-Cadmium cells or Monoblocs (up to 16Volts) in any common configuration, approximately 10-6000Ah.

### Voltage Range:

.8 - 20.0 Volts DC

### Conductance Range:

100 - 19,990 Siemens

### Test Data Storage:

50 string locations of 240 test results stored internally, unlimited transfer to USB drive

### Accuracy:

+/-2% across test range, Voltage and Conductance

### Voltmeter Resolution:

5mV

### User Programmable Functions:

- Preset values for over 250 battery types
- Low voltage alarm setting
- Low conductance warning
- Low conductance failure
- Test mode (pushbutton/auto start)

### Cable Options:

- Dual contact clamps
- Dual contact probes
- Custom cables by quotation

### Power Requirements:

7.2V, 2300mAh, NiMH  
Internal swappable battery & charger

### Display:

LCD: FST 2.97 in x 2.81 in (75.4 mm x 71.3mm), 128 x 128 pixels, 40 degree viewing angle, contrast ratio 8, LED backlight

### Keypad:

Alpha-numeric, Stainless-steel dome, polycarbonate overlay, 1,000,000 actuations

### Data Transfer:

USB Flash Drive (Type A)  
USB PC Interface (Type B)  
Infra-red, half-duplex IRDA Protocol for optional printer

### Environmental Operating Range:

0 to +40°C, 95% relative humidity, non-condensing

### Storage Temperature:

-20 to 82°C

### Over Voltage Protection:

- Auto-reset disconnect
- Reverse polarity protected

### Housing Material:

Acid-resistant ABS plastic  
Santoprene overmold

### Analyzer Dimensions:

11 in x 4 in x 3 in  
279mm x 105mm x 80mm

### Case Dimensions:

19 in x 15.5 in x 7 in  
485mm x 395mm x 180mm

### Analyzer Weight:

1 Kg/2.6 lb

### CAD-5500 Test Kit Shipping Weight:

Approximately 5 Kg/11 lb

# GAIN THE ADVANTAGE.



## CELLTRON ADVANTAGE

### MODULAR BATTERY ANALYSIS SYSTEM

Battery management and testing are critical for maintaining power integrity for telecom networks, data centers, utility transmission and distribution systems. The demand placed on these systems has increased dramatically in the past decade. Service providers, operations and maintenance teams need to gain an advantage over this mounting responsibility.

The **CELLTRON ADVANTAGE** system provides a user-customizable, flexible, efficient and economical tool to take on this critical task while saving time and expense.



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# CELLTRON ADVANTAGE

## A COMPREHENSIVE BATTERY ANALYSIS TOOL OFFERING:

- Conductance based diagnostics proven effective for identifying & trending battery health
- Highly efficient test process: 50% reduction in test time from other battery analyzers
- Less invasive testing approach reduces battery discharge, voltage measurement skew and allows for more tests on a single internal battery without recharge
- Full compatibility with Battery Data Management System for simple and efficient data tracking, reporting and decision making; data transfer via USB
- Field software updates, including module add-ons
- Interchangeable test interfaces for technician ease of use and lower maintenance cost
- Integrated battery temperature measurement
- Integrated lighted test interfaces
- Test continuity/accuracy indication on test interfaces
- USB data connection and storage compatible
- On board battery pack to support test time of 6-8 hours



## APPLICATION COMPATIBILITY:

- Telecom/DC Plants online
- All UPS applications
- Utility switchgear & communications systems
- Battery voltages down to 1 volt, including nickel cadmium cells

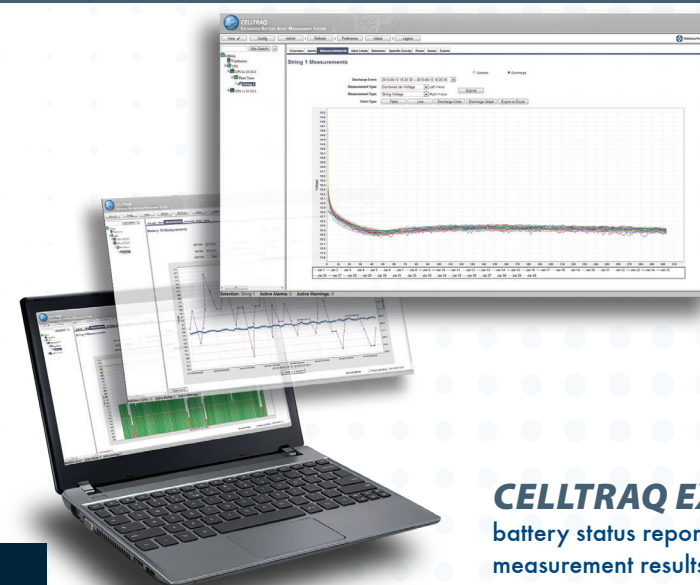


## KIT CONFIGURATIONS

- **GOLD KIT (CAD 5500)**
  - Tester
  - Standard Mode Testing
  - Probe and cable
  - USB Drive for Excel Data Transfer
  - Battery Pack (2)
  - Hard Case
  - Multimeter
  - Generator Start
  - In-unit trending
  - Discharge Manager
  - Probes, clamps and cable
  - USB Cable
  - **CELLTRAQ EXPRESS**
- **SILVER KIT (CAD 5200)**
  - Tester
  - Standard Mode Testing
  - Probe and cable
  - USB Drive for Excel Data Transfer
  - Battery Pack (2)
  - Hard Case
  - Multimeter
  - Generator Start
- **BRONZE KIT (CAD 5000)**
  - Tester
  - Standard Mode Testing
  - Probe and cable
  - USB Drive for Excel Data Transfer
  - Battery Pack (1)
  - Case

## FEATURES COMPLETE SOFTWARE MODULARITY/ADD-ONS FOR JUST WHAT IS NEEDED TO GET THE JOB DONE:

- Base unit provides battery Conductance (state of health assessment), voltage and integrated temperature measurement
- Custom modules available to meet battery program needs:
  - Guided test interface to simplify technician interaction
  - Integrated site trending capability
  - Multimeter functionality
  - Discharge test manager: increase automation and accuracy of discharge test
  - Generator starting battery test



## CELLTRON ADVANTAGE IS COMPATIBLE WITH CELLTRAQ ENTERPRISE

CELLTRAQ ENTERPRISE is a commercial grade, server based system designed to manage battery data. CELLTRAQ interfaces via USB with CELLTRON ADVANTAGE for the storage, analysis, and reporting of battery stats, including:

- Efficient review of battery system state of health
- Remote indication of battery asset conditions from a centralized database
- Reporting and management tools

CELLTRAQ EXPRESS is a PC (non-server network) software designed for effective battery status reporting. Transferred via USB media, CELLTRAQ EXPRESS displays the measurement results through your computer where a PDF report can be generated.