



# C7000 C-Series

[www.cadex.com/c7](http://www.cadex.com/c7)

Battery Analyzers

# A PROFESSIONAL BATTERY ANALYZER

CREATED FOR USERS OF ALL LEVELS

The Cadex C7X00 Series battery analyzers offer a platform that fulfills virtually all battery testing and conditioning needs. With 18 available built-in programs, plus four custom ones, and over 3,000 custom adapters for all kinds of batteries, the C7X00 is truly the workhorse for your battery testing needs.

ACCEPTS  
**LITHIUM  
NICKEL  
LEAD-ACID**

CONNECT VIA  
**RS-232  
USB**



## BUILT TO LAST EVEN THE TOUGHEST ENVIRONMENTS

Get your hands on one of the C7X00 Analyzers and see why they have become an indispensable tool for armed forces across the world in all environments. From the jungle to the Artic, or even space!

# FULLY PROGRAMMABLE

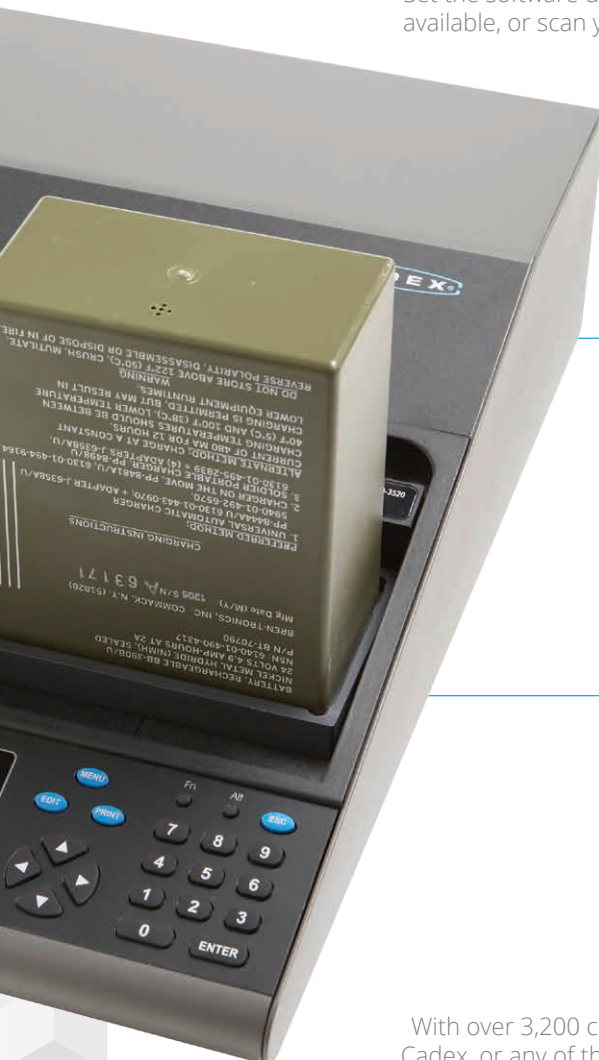
The optional BatteryShop™ software allows you to capture test data and view real-time results on your PC. Set the software using one of the 3,000+ battery presets available, or scan your own. You can view and control up to 32 analyzers from a single PC.

UP TO  
**4 BAYS**

UP TO  
**36V, 6A, 75W**  
PER BAY

# UNIVERSALLY COMPATIBLE

With over 3,200 custom battery adapters available from Cadex, or any of the Universal Adapters, you can be sure your C7X00 will be compatible with whatever your battery model or chemistry is.





# DEDICATED SOFTWARE

## PC BATTERYSHOP™

BatteryShop™ provides a simple yet powerful PC-interface to control and monitor the C7X00 Analyzers. Select any of the 3,000+ batteries from the built-in database, or scan the bar code from the battery label and configure the analyzer to the correct setting.

With the ability to control up to 32 analyzers from a single PC, you have one of the most powerful tools in the market at your fingertips.

Learn more at [cadex.com/batteryshop](http://cadex.com/batteryshop)

### IN THE FIELD

Reduce battery replacement by analyzing battery history and recurring patterns, and by understanding unique battery problems.

### MAINTENANCE

Simplify your fleet battery maintenance by marking each battery with a permanent ID number. With Autoprint, a label will be printed as soon as the battery is extracted.

### MANUFACTURE

Perform complex battery analysis by setting unique test parameters through the PC. See and store real-time data, and customize voltage and current.

## BASIC PROGRAMS

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### AUTO

Exercises batteries and applies Recondition (nickel-based batteries) if the user-set target capacity cannot be reached



### CHARGE

Applies fast charge



### PRIME

Prepares batteries for field use by repeated cycling until maximum capacity is reached



### QUICKSORT™

Sorts Li-ion batteries into Good, Low and Poor. Service time 30 seconds

## ADVANCED PROGRAMS

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### SELF-DISCHARGE

Determines the rate at which a battery loses its charge



### RUN TIME

Discharges at three current levels to simulate 5-5-90, 10-10-80 and other user patterns



### LIFE CYCLE

Counts number of charge/discharge cycles before battery capacity drops to the selected target level



### BOOST

Reactivates safety circuit on over-discharged batteries



### DISCHARGE ONLY

Prepares batteries for storage



### QUICKTEST™

Provides battery state-of-health in 3 minutes. Available only for certain batteries



### EXTENDED PRIME

Applies 16-hour trickle charge prior to Prime. Prepares difficult to charge batteries



### OHMTEST

Measures internal battery resistance

## CUSTOM PROGRAMS

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If none of the 14 built-in Service Programs are enough, you can configure four more separate custom programs, that will allow you to do sequences of charge, discharge, recondition, wait and repeat.



## C7200 ANALYZER

The two-bay Cadex C7200 suits smaller organizations and storefront operations. Total 40 watts of charge power at 4 amps per bay ensures quick service of larger batteries. This economical analyzer offers features similar to the larger C7400.

- Battery voltage range 1.2 to 16V
- Charge/discharge current up to 4A per bay
- Maximum charge power 40 watts per bay
- Maximum discharge power 35 watts per bay



## C7400 ANALYZER

With four-bays and total 80 watts of charge power, the Cadex C7400 is most economical in terms of cost per bay. The extra bays increase throughput and add flexibility in accommodating batteries that require immediate service.

- Battery voltage range 1.2 to 16V
- Charge/discharge current up to 4A per bay
- Maximum charge power 55 watts per bay
- Maximum discharge power 35 watts per bay



## C7400ER ANALYZER

The Cadex C7400ER is the most powerful of the C7000 Series battery analyzers. 6 amps per bay, service of 36 volt batteries and total 170 watts of continuous power satisfies most service requirements.

- Battery voltage range 1.2 to 36V (Li-ion)
- Charge/discharge current up to 6A per bay
- Maximum charge power 75 watts per bay
- Maximum discharge power 75 watts per bay

# INDUSTRY STANDARD

## BUILT AROUND YOUR NEEDS



### AEROSPACE

Ensure maximum reliability for the aircraft batteries by doing preventive maintenance



### CELLULAR

Restore smartphone batteries rather than discarding them



### HEALTHCARE

Check and condition batteries and prompt for replacement when needed



### INDUSTRIAL

With over 3,000 different custom battery adapters, be sure that we will meet your needs



### LOGISTICS

Refurbish weak old batteries and help extend battery life



### MILITARY

Deploy only performing batteries by doing regular analysis and conditioning



### PUBLIC SAFETY

Help refurbish weak batteries and extend service life



### UAV/DRONES

Analyze and condition your drone batteries to ensure maximum reliability in the air





YOUR LIFE. EMPOWERED

Cadex Electronics, Inc.  
Visit [www.cadex.com/c7](http://www.cadex.com/c7) for more information  
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