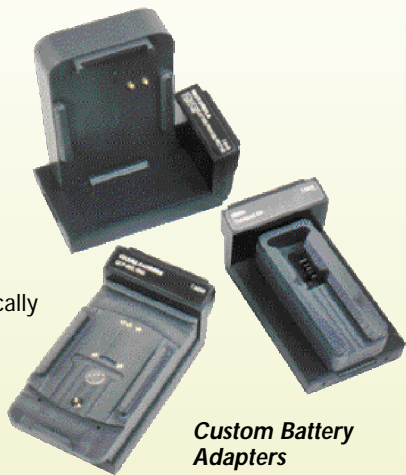


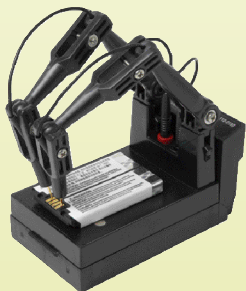
Battery testing made simple

Custom-built *SnapLock™* adapters allow convenient interface to all major battery types. The preprogrammed adapters automatically set the analyzer to the correct setting. A menu function allows reprogramming. Specialty adapters are available on request.



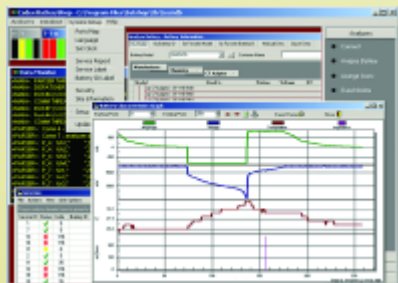
Custom Battery Adapters

The *FlexArm™* services batteries when no custom adapter is on hand. The flexible arms reach small and awkwardly placed contacts; magnetic guides keep the battery in position and a temperature sensor monitors the battery. The gold-plated pin-contacts are user-replaceable.



FlexArm™
adjusts to handle
a variety of batteries

The optional *BatteryShop™* software provides a simple, yet powerful PC interface to control and monitor the Cadex



C7000 Series battery analyzers. You can select from over 2000 batteries in the database, add your own models or download the latest updates from www.cadex.com.

ISO 9001

The company

Since 1980, battery users have turned to Cadex for the value we provide in prolonging battery life and making batteries more dependable.

World leader

We specialize in the design and manufacture of battery chargers, analyzers and rapid-test systems. Our award-winning products have gained acceptance in wireless communications, mobile computing, medical and defense. Cadex products are sold in more than 100 countries.

Customer satisfaction

No product would be complete without first-class customer service. Whether you purchase an off-the-shelf product or custom OEM, you are assured of advanced design, superior quality and full customer support.

Working with natural beauty

The Cadex Headquarters is nestled in the natural surroundings on the banks of the Fraser River. This tranquil setting promotes creative thinking, an environment that has led to several patented innovations.

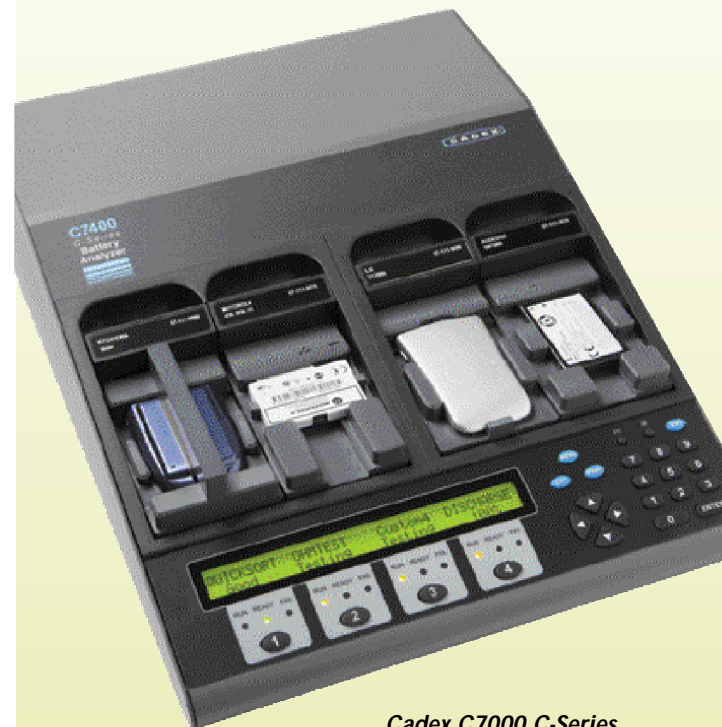


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Check batteries in 30 seconds



Cadex C7000 C-Series
battery analyzers with *QuickSort™*

Batteries are blamed for most problems. To satisfy the customer, the pack is often replaced – only to have the fault recur.

The 30-second *QuickSort™* program checks the battery while the customer waits. If the pack is good, there's no need for replacement. This saves time and money.

- Requires minimal training
- Ideal for point-of-sale & service centers
- Cuts cost and increases customer satisfaction.

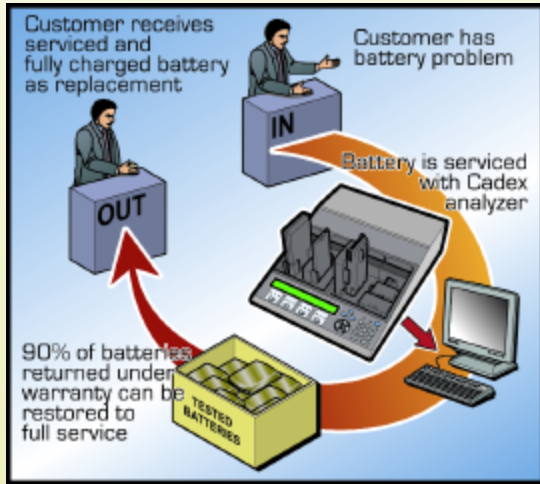


www.cadex.com

The million-dollar problem

Frivolous battery replacement is costing the cell phone industry \$10 million annually. A closer look reveals that 90% of the returned batteries can be restored and reused. The Cadex C7000 Series makes battery rejuvenation possible.

QuickSort™ checks a battery in 30 seconds. If the pack is faulty, a replacement may be given from a pool of batteries previously serviced with the Cadex analyzer. Servicing rather than discarding batteries puts an end to expensive returns.



What does QuickSort™ do?

QuickSort™ checks the state-of-health of cell phone batteries and sorts them into the following classifications:

- **Good**, can be returned to customer
- **Low**, suspect; needs further testing
- **Poor**, faulty; remove from service

Who should use QuickSort™?

Cellular dealers	To check battery warranty returns. Only packs with genuine faults need replacing.
Manufacturers	To ensure consistent quality and verify state-of-health on battery warranty claims.
Rental	To test the battery before releasing the equipment.
Fleet users	To identify weak packs in a battery pool.

What batteries does QuickSort™ test?

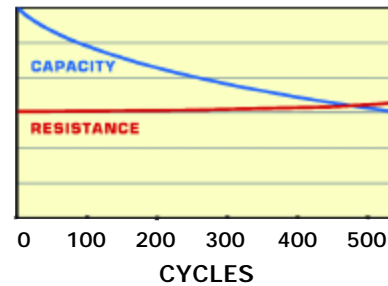


QuickSort™ accommodates single-cell lithium-ion batteries with capacities of 500-1500mAh. The test is simple — just select *QuickSort* and insert the battery.

How does QuickSort™ work?

QuickSort™ is based on the electrochemical dynamic response of the battery rather than resistance measurement.

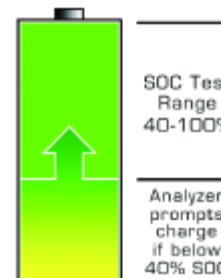
Resistance does not provide a reliable indication on capacity fade that occurs with cycling.



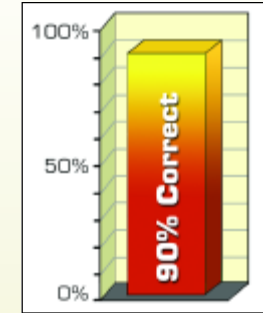
Electrochemical dynamic response can be compared to a mechanical arm under load. A strong arm remains firm whereas a weak arm bends and becomes sluggish when activated. This response can be applied to the battery state-of-health.

Do I need to charge the battery before the test?

The battery should be 40 to 100% charged. If low, *QuickSort™* prompts the user to charge and retest.



How accurate is QuickSort™?



QuickSort™ provides a correct prediction 90% of the time. The program uses a generic matrix that works with all designated batteries, including cobalt and manganese systems.

Automated service programs

In addition to *QuickSort™*, the Cadex C7000 Series battery analyzers offer automated programs that restore dead batteries and condition batteries through a full service program.



Cadex C7200

Reactivating lithium-ion batteries

A significant number of batteries fail due to over-discharge. The *Boost* program activates the battery's safety circuit and brings the pack back to life. Our tests revealed that 30% of returned batteries are over-discharged. *Boost* takes less than one minute to restore a battery.

