



Cadex C5100

Battery Rapid Tester checks Battery Capacity in 30 Seconds



Cadex C5100
Battery Rapid Tester

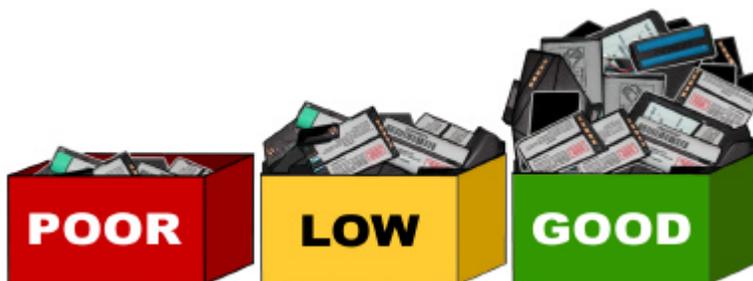
Batteries are blamed for most cell phone problems. To satisfy the customer, the pack is replaced, only to have the fault recur. The **Cadex C5100** battery tester solves the problem by evaluating the pack at storefront, giving the customer a clear assessment of battery performance.

- Prevents discarding of good batteries
- Checks batteries at storefronts
- Improves customer satisfaction
- Reduces cost, saves money

End needless battery replacement

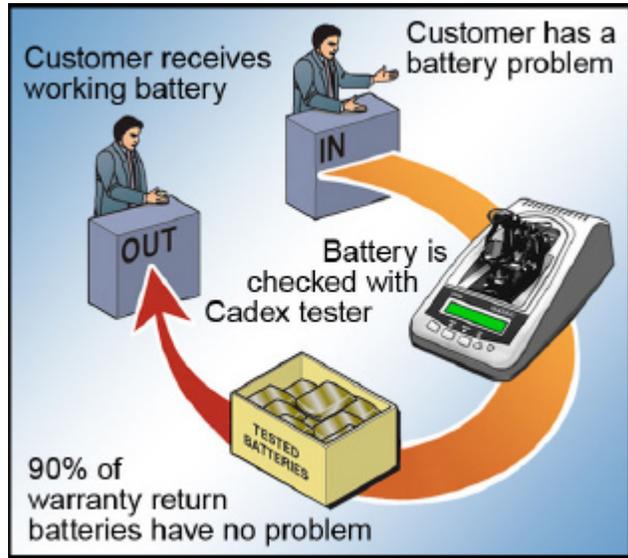
Frivolous warranty battery replacement costs cell phone providers an estimated \$10 million annually. A closer look reveals that 90% of returned batteries have no problem. QuickSort™ checks battery performance in 30 seconds and classifies them into:

- **Good** — can be reused without further service
- **Low** — replacement recommended
- **Poor** — faulty; discard



Store Front use

The Cadex C5100 tests a battery while the customer waits. Poor batteries can be replaced from a pool of previously serviced batteries. On-site service reduces handling costs, lessens disposal and improves customer satisfaction.



Automated and simple

Connect the battery, select the rating with the arrow keys and press a program key.

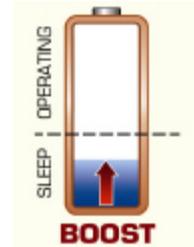


TEST: Sorts Li-ion into *Good*, *Low* and *Poor*.

CHARGE: Fully charges a battery in about 3 hours

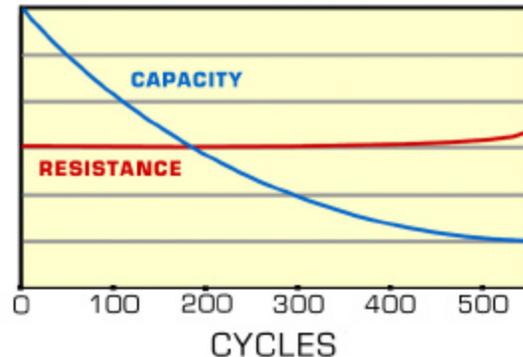
CYCLE: Charges/discharges/charges and displays capacity in mAh

BOOST: Reactivates batteries by activating the protection circuit. Over-discharge is common and Boost restores these batteries



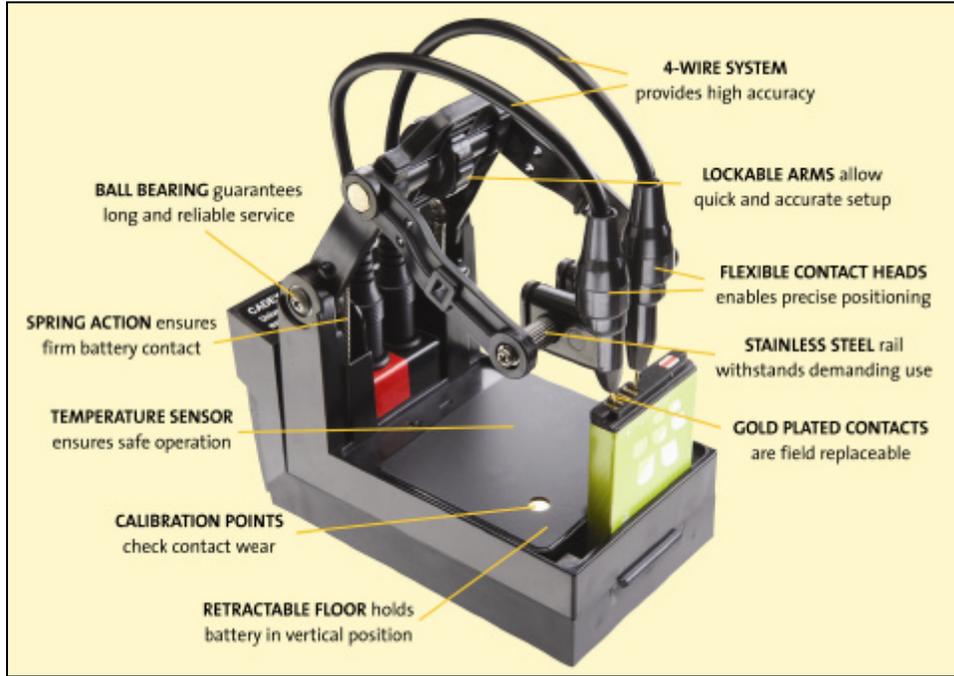
How does QuickSort™ work?

QuickSort™ measures battery state-of-health with *electrochemical dynamic response*, a method that provides correct prediction 90% of the time. QuickSort™ does not rely on resistance, as most rapid-testers do. This would provide unreliable readings because the resistance of modern lithium-ion remains steady as batteries age. The batteries do not need to be fully charged. If low, the C5100 prompts the user to charge and retest.



Easy Interface

The Cadex C5100 achieves ease-of-use with the **RigidArm™**. Spring-loaded arms meet the battery contacts from the top down. Lockable mechanism allows quick and repetitive testing. The retractable floor holds the battery in vertical or horizontal position. The programmed adapter services single-cell Li-ion batteries ranging from 500-1500mAh.



Arms stay upright for easy loading



Magnetic guide holds battery firmly in place



Jacks allow polarity swap

The Cadex C5100 also accepts the popular SnapLock™ adapters. Custom Battery Adapters are most convenient for high volume repeat testing. Changing adapters is quick and effortless. Cadex has a selection of over 1000 custom adapters.

The Cadex C5100 reads the battery settings and auto-scales if the wattage/current setting is exceeded. Re-programming adapters is possible with a Cadex C7000 Series battery analyzer. Only battery parameters suitable for the Cadex C5100 are recognized.



The Company

Since 1980, battery users have turned to Cadex for advice on how to improve battery life and reliability. The success of the Cadex products is based on superior quality and first-class customer support. Cadex products are sold in 100 countries.

Customer Satisfaction

When purchasing a Cadex product, you are assured of advanced design, superior quality and competitive pricing. Cadex combines engineering strength with 25 years of manufacturing excellence. We stand behind our products.



Headquarters of Cadex Electronics Inc.

Specifications

ISO 9001

Application	Single-station lithium-ion battery tester
Range	3.6V and 7.2V, 2A, 8W charge and discharge. Polarity protected.
Battery Adapter	SnapLock™, includes RigidArm. Also takes custom adapters, auto-scales when exceeding wattage/current setting; read-only function; temperature sensor.
QuickSort™	3.6V Li-ion, 500-1500mAh
Line voltages	100-240VAC, 50/60Hz
Programs	TEST: 30-second QuickSort™ CHARGE: 3-hour fast charge CYCLE: charge/discharge/charge BOOST: reactivates batteries
Display	2x20, backlit; Run, Ready, Fail light
Data Ports	USB, RS232 for unit upgrades
Physical	H 92mm (3.6"); W 160mm (6.3"); L 285mm (11.2"); 0.82kg (1.8lb.) net C-ABS housing
Approvals	CSA/UL/EN60950, CE mark, RoHS, WEEE
Warranty	One (1) year material and workmanship

Specifications subject to change



World leader in quality and innovation for power systems

North America

Cadex Electronics Inc.

22000 Fraserwood Way
Richmond, BC, Canada V6W 1J6
Tel: 604 231-7777; 800 565-5228; Fax: 604 231-7755

info@cadex.com www.cadex.com

Europe

Cadex Electronics Inc.

Sprottau Strasse 12,
90475 Nürnberg, Germany
Tel: +49 (0) 911 2403 32-0; Fax: +49 (0) 911 2403 32-29