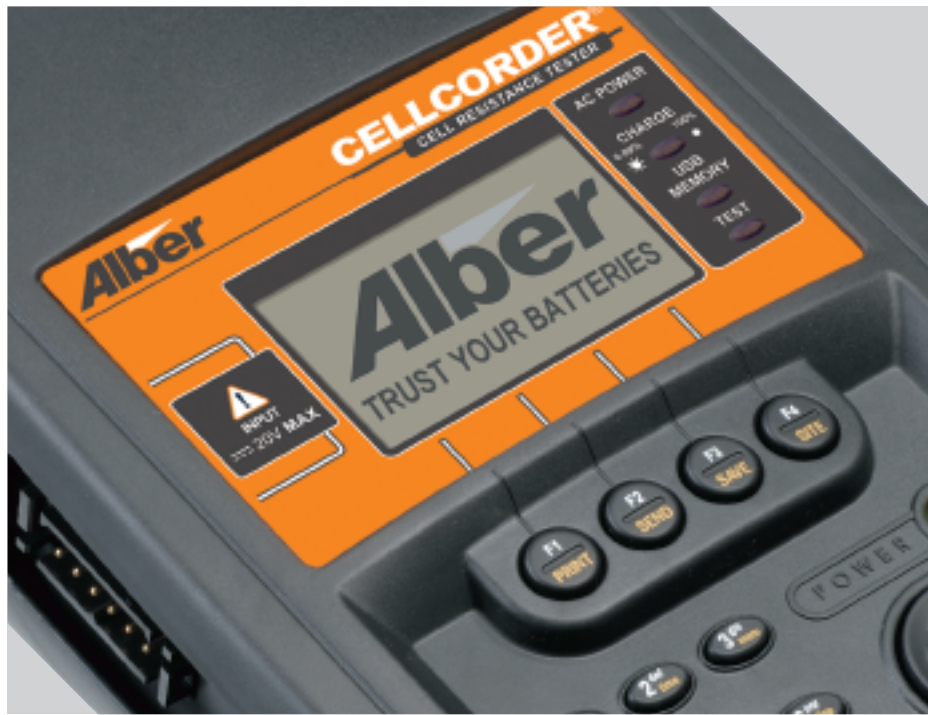


■ Monitoring  
For *Business-Critical Continuity™*

## Alber CELLCORDER® CRT-400 Cell Resistance Tester

Technology That Lets You Trust Your Batteries



## CELLCORDER® CRT-400 Cell Resistance Tester

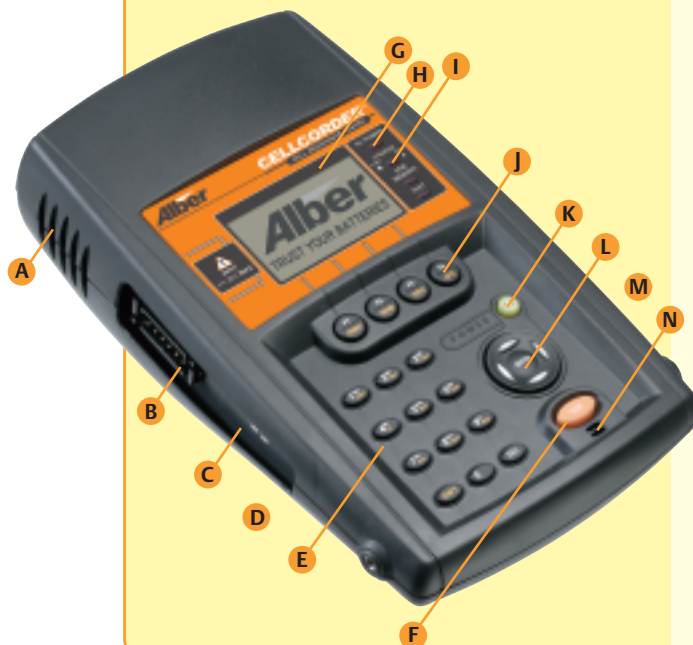
The CELLCORDER® CRT-400 Cell Resistance Tester was specially designed to strictly comply with IEEE standards for testing batteries online. When a battery is tested online, the test is subjected to ripple from the charger, which makes ohmic measurement tests complicated. The well-proven Alber DC resistance test method completely eliminates these distorting factors. The Cellcorder outstrips competitive testing instruments by producing very high repeatability in testing. The Cellcorder comes with easy keyboard entry, hard shell carrying case, AC charger, data trending and analysis software and a user-friendly manual. An optional IR printer is available.

### Advantages and Features

- Patented Internal Resistance testing eliminates inaccuracy
- New graphical display makes menu navigation easy
- Measures cell voltage and internal battery resistance as well as intercell resistance
- Flash drive can be used to transfer data to your PC
- Battery Analysis PC software lets you identify bad cells, create reports and archive data
- IrDa allows wireless communication with a variety of peripheral equipment including compatible DMA-35N-CRT Hydrometer
- Tests batteries from 0-16V
- Includes new battery test clamps with interchangeable jaws

### The New CELLCORDER® at a glance.

Lightweight, stylish, rugged and durable. Special features include new user friendly operation, Bluetooth, modem, graphical transreflective LCD display for better contrast, and new cables and clamps.



- A Ventilation:** Temperature controlled colling fan.
- B Test Lead Connector:** Molded test cables and optimized battery clamps.
- C Bluetooth® Capable:** audible voice status during testing and data transfer to your PC.
- D Shoulder Strap:** (not shown) Adjustable shoulder strap for safe and efficient testing.
- E Keypad:** Combination keypad for alphanumeric data entry. Shift key for quick function keys.
- F Test Key:** Initiates the test sequence.
- G Transreflective LCD:** Backlit graphical LCD display with excellent contrast. Improved contrast in direct sunlight.
- H AC Power Indicator:** Illuminated when connected to AC power.
- I Battery Charge Indicator:** Indicates battery charging progress.
- J Multi Function Menu Buttons:** Interactive buttons that correlate to relevant menu alternatives on screen.
- K Power On/Off:** Press for start-up. Press and hold for shut down.
- L Navigation Key:** Easily navigate and select choice in menus.
- M Infrared Port:** (not shown) Wireless IrDA communication to printer, PDA, DMA-35N-CRT Hydrometer or laptop.
- N Beeper:** Alerts valid entry or faulty test results.



(Shown with optional accessories)



The new graphical display makes it easier to navigate through the menus.



The test screen shows the cell number, internal resistance, voltage and four intercell connections.

## Using The CELLCORDER. A World Of Possibilities...



The Flash Drive holds the measurements and can be used to transfer data to a PC.



IrDA Infrared



Download data from the Hydrometer.

Bluetooth (option)

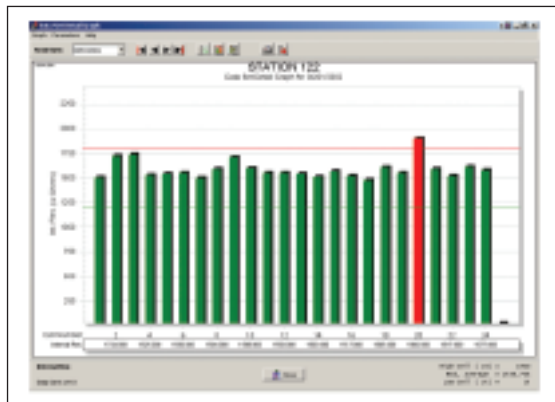


Communicate with laptops or headsets.

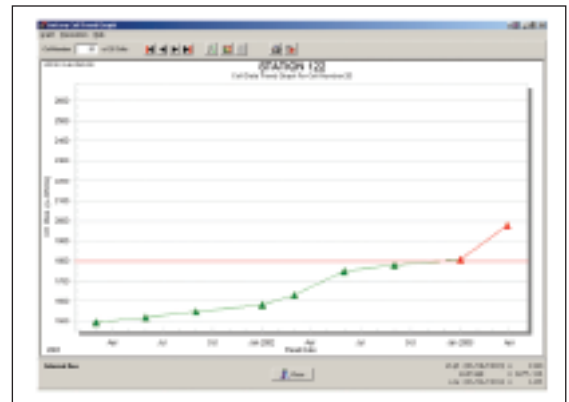
IrDA Infrared



Print on site using non-impact printer.



The Battery Analysis Software helps you identify bad cells, generate descriptive reports and archive data.



Measurements are stored and presented to allow trending and make it possible to detect early performance degradation in individual battery cells.

# Ensuring The High Availability Of Mission-Critical Data And Applications.

## Alber CELLCORDER® CRT-400 Specifications

Physical		Battery	
Dimensions	H 305mm (12") x W 178mm (7") x D 76mm (3")	Type	4 cell - 8800 mAh lithium ion
Weight	1.5Kg (3.4lb)	Voltage	4.2V
Keypad	Rubber keys with polyurethane coating	Charge Time	8 hrs
Display		AC Adapter	
Type	LCD - STN Reflective	Input Voltage	90 - 264 VAC
Viewing Area	2.619" x 1.309"	Output Voltage	5 VDC
Resolution	Graphics LCD 128 x 64	Output Current	4.0 Amps
Viewing Angle	40°	Frequency	47 - 63 HZ
Backlight	White LED	Environmental	
Memory		Temperature Range:	
Type	USB Flash Drive	Operating	0° - 40° C (32° - 104° F)
Storage Capability	1 MB per 71 strings with 256 cells	Storage	-20° - 60° C (-20° - 140° F)
Data retention	10 years	For extended periods <25° (<77° F)	
Communication		Humidity Range	0% to 80% RH (non-condensing) at 0° - 31° C
Infrared	PC Interface for data transfer Physical IrDA compliant for printer interface	0% to 50% RH (non-condensing) at 32° - 40° C	
Bluetooth (option)	PC interface for data transfer Earpiece interface for voice test status	Insulating Category II	
		Pollution Degree 2	
		Altitude 0 to 2000 meters above sea level	

Input	Test Current	Resistance Resolution ±0.1% of reading	Voltage Resolution	Intercell Range/Resolution
2V	50A	±5µΩ	0.1% ± 1mV	2mΩ ± 2µΩ
4-6V	25-30A	±25µΩ	0.1% ± 3mV	3.3mΩ ± 5µΩ
8-12V	30-35A	±75µΩ	0.1% ± 6mV	5mΩ ± 10µΩ
16V	5A	±400µΩ	0.1% ± 10mV	20mΩ ± 20µΩ

**Warranty**  
1-year limited warranty

**Ordering Information**  
1000-056 Cellcorder including software, carrying case, USB Flash drive, battery charger, cables, test and voltage leads.

Optional Accessories	
1000-056BT	CRT with Bluetooth option
2025-036	Bluetooth wireless headset
2025-124	Printer with IrDA interface
Various	Spike probe options
2030-004	USB Flash Drive

Optional Accessories	
2120-053 A	JAWS (see www.alber.com)
2120-056	JAWS (see www.alber.com)
2120-057	JAWS (see www.alber.com)
2120-058I	JAWS (see www.alber.com)

\* Specifications subject to change without notice      Made in U.S.A.

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