

# ALBÉR CELLCORDER® CRT-400 CELL RESISTANCE TESTER

Technology That Lets You Trust Your Batteries



## BENEFITS

- 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 hydrometer
- Tests batteries from 0-16V
- Includes new battery test clamps with interchangeable jaws



## 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.



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## The Albér 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 cooling 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, hydrometer or laptop
- N. **Speaker:** Audible alerts to indicate valid entry or faulty test results



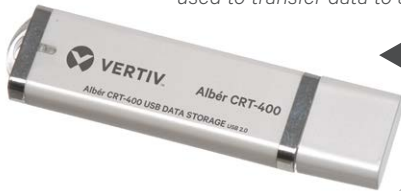
The new graphical display makes it easier to navigate through the menus.



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



(Shown with optional accessories)



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



IrDA Infrared



Download data from the hydrometer.

Bluetooth (option)

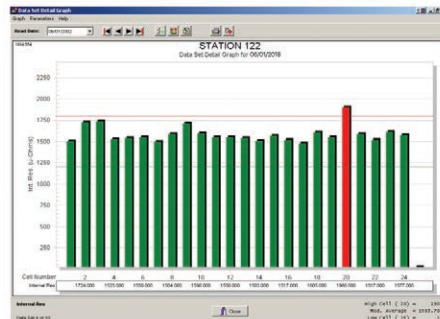


Communicate with laptops or headsets.

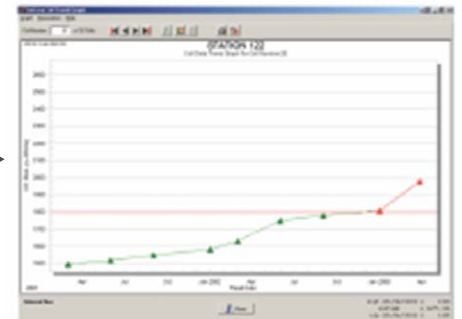
IrDA Infrared



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	
Dimensions	H 305mm (12") x W 178mm (7") x D 76mm (3")
Weight	1.5Kg (3.4lb)
Keypad	Rubber keys with polyurethane coat

DISPLAY	
Type	LCD - STN Reflective
Viewing Area	2.619" x 1.309"
Resolution	Graphics LCD 128 x 64
Viewing Angle	40°
Backlight	White LED

MEMORY	
Type	USB Flash Drive
Storage Capability 1 MB per 71 strings with 256 cells	
Data retention	10 years

COMMUNICATION	
Infrared	PC Interface for data transfer Physical IrDA compliant for printer interface
Bluetooth (option)	PC interface for data transfer Earpiece interface for voice test status

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

OPTIONAL ACCESSORIES	OPTIONAL ACCESSORIES
CRT with Bluetooth option	Jaws of various size and design
Bluetooth wireless headset	Test Leads and Spike Probe Handle set options
Printer with IRDA interface	Europe and UK AC Power Cords
Spike probe options	USB Flash Drive

\*Specifications subject to change without notice.

**BATTERY**

Type	4 cell - 8800 mAh lithium ion
Voltage	4.2V
Charge Time	8 hrs

**AC ADAPTER**

Input Voltage	90 - 264 VAC
Output Voltage	5 VDC
Output Current	4.0 Amps
Frequency	47 - 63 HZ

**ENVIRONMENTAL**

Temperature Range:	
Operating	0° - 40°C (32° — 104° F)
Storage	-20° - 60°C (-20° — 140° F) For extended periods <25° (<77° F)

Humidity Range	
0% to 80% RH (non-condensing) at 0° - 31° C	
0% to 50% RH (non-condensing) at 32° - 40° C	

Pollution Degree 2	
Altitude	0 to 2000 meters above sea level

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