

The CRT-400, Alber's handheld Cellcorder utilizes the well-proven and patented DC resistance test to eliminate the guess work when trying to identify a failing battery.

## Alber Delivers The Solutions You Need...

- Designed specifically to comply with IEEE Recommended Practices for Battery Maintenance and Testing
- DC resistance test proactively identifies failing batteries
- Designed for use in all industries

## System Measurements

- Float voltage readings
- NiCad's to multicell modules (16V)
- Internal cell resistance measurement
- Intercell resistance connection
- Intertier resistance connection



## Battery Analysis Software

- Full featured software easily identifies problem cells,
- Built in report generator creates tabular or graphical reports
- Stores all historical data for trending and analysis as well as for warranty purposes and audits
- Import temperature and specific gravity readings into the BAS software for trending and analysis

## System Advantages and Features

- Reliable readings even in the noisiest environments
- USB Flash drive for easy data transfer and storage
- Multiple test lead options and connections for all battery types
- Optional battery harness assembly increases efficiency and safety

*Alber is about integrity, reliability and product innovation. It is our experience and proven technology that makes the difference between unexpected failure and continued success!*



## Cellcorder™ CRT-400 Cell Resistance Tester Specifications

*“There is NO better way to detect early signs of battery degradation than the patented internal resistance method from Alber. Years of experience and millions of measurements on batteries of different sizes and designs validate this statement.”*

### Physical

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

### 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

### 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°C - 40°C (32°F - 104°F)  
Storage -29°C - 60°C (-20°F - 140°F)  
For extended periods <25°C (<77°F)  
Humidity Range 0% to 80% RH (non-condensing) at 0°C - 31°C  
0% to 50% RH (non-condensing) at 32°C - 40°C  
Insulation 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

2027-014

CRT BAS Software

2025-124

Printer with IRDA interface

Various

Spike probe options

2030-005

USB Flash Drive

Specifications subject to change without notice.

### Alber Leads the Way. . .

As the only manufacturer offering comprehensive solutions for ALL accepted battery maintenance procedures, Alber continues to set the standard in battery testing and monitoring technology. Our broad range of products provides you every possible solution your business could ever need.