

Power

Battery Testing Equipment

AlphaCell™ Battery Testing Equipment



Celltron Advanced™
CTA-2000AT

- Complete battery life trending through combined conductance and load tests
- Non-intrusive conductance measurements do not reduce string life
- Quick, accurate measurements and data recording reduce on-site time
- Simple pinpoint testing requires only two battery posts or straps
- Enables early detection of questionable batteries in the network

A fast, reliable and affordable testing process is now available with the development of conductance based battery measurement technology. By coupling conductance testing with a simple utility load test, the system operator can easily be armed with the quality of data necessary to know the status of their installed standby batteries and budget their replacement with confidence.

Battery Testing Equipment

Specifications

Model:	Celltron Essential™	Celltron Advanced™
Model Number:	CTE-1200AT (tester only) CTE-2200AT (kit) CTE-3200AT (kit)	CTA-2000AT (tester only) CTA-4000AT (kit)
Applications:	Tests 6 & 12V batteries with data retention	Tests individual acid cells or monoblocs (up to 12V) in any common configurations
Voltage:	1 to 15VDC	1 to 15VDC
Conductance:	100 to 9,999 Siemens	100 to 19990 Siemens
Test Data Storage:	Up to 144 consecutive tests can be stored internally	Up to 480 consecutive tests
Accuracy:	±2% across test range	±2% across test range
Voltmeter Resolution:	10mVDC	20mVDC
Environmental:	0 to 40°C, 95% relative humidity, non-condensing	0 to 40°C, 95% relative humidity, non-condensing

Conductance Technology/Industry Approvals & Recommendations:

- IEEE Standards 1188 & 484
- EPRI Guide for testing stationary batteries
- Guide for Testing Stationary Batteries International Telecommunications Energy Conference
- Bellcore T1Y1
- Presentation for American National Standards Institute
- International Lead Zinc Research Organization
- Battery Council International

Applications

Cable TV/Broadband Power Networks

- Outside Plant Batteries
- Headend DC/AC Batteries
- Premise Back Up Supplies (FTTx)

6/12V, 5 to 600Ah Stationary Batteries

Security System Batteries

Emergency Lighting Batteries

Features and Benefits

Simple - One-step testing, no instrument inputs or adjustments required.

Quick - Battery voltage and conductance displayed in less than 10 seconds. Test an entire 48V string in less than 1 minute.

Safe - Utilizes patented conductance technology, a passive method that minimizes technician risk.

Accurate - Field test proven to ±2% accuracy across test range. Conductance method recognized by IEEE standard for the testing of lead-acid batteries with proven correlation to battery capacity.

Economical - Efficient and accurate battery tester priced to fit into every technician's tool kit.

Kit Contents

Celltron Essential Kits		Celltron Advanced Kit
CTE-2200AT	CTE-3200AT	CTA-4000AT
Contains: CTE-1200AT tester PowerSure Software Infrared PC data cable	Contains: CTE-1200AT tester PowerSure Software Infrared PC data cable High speed printer Temperature sensor	Contains: CTA-2000AT tester High speed printer Temperature sensor Clamps and probes



Celltron Essential
CTE-1200 AT



Celltron Advanced Kit
CTA-4000AT

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