



an EnerSys company

Battery Testing Equipment

AlphaCell™ Battery Testing Equipment



- Complete battery life trending through combined conductance and load tests
- Non-intrusive conductance measurements do not reduce sting 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.

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 $\pm 2\%$ 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.

Celltron Essential Details	
Model Numbers:	CTE-1200AT (tester only), CTE-2200AT (kit), CTE-3200AT (kit)
Applications:	Tests 6 and 12V batteries with data retention
Voltage:	1 to 15VDC
Conductance:	100 to 9,999 siemens
Test Data Storage:	Up to 144 consecutive tests can be stored internally
Accuracy:	±2% across test range
Voltmeter Resolution:	10mVDC
Environmental:	0 to 40°C, 95% relative humidity, non-condensing
Kit Contents	
CTE-2200AT:	CTE-1200AT tester, PowerSure software and infrared PC data cable
CTE-3200AT:	CTE-1200AT tester, PowerSure software, infrared PC data cable, high speed printer, temperature sensor
Conductance Technology/Industry Approvals and Recommendations	
<ul style="list-style-type: none"> • IEEE standards 1188 and 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	
<ul style="list-style-type: none"> • Cable TV/broadband power networks (outside plant batteries, headend DC/AC batteries, premise back up supplies [FTTH]) • 6/12V, 5 to 600Ah stationary batteries • Security system batteries • Emergency lighting batteries 	