

Critical Power Confidence



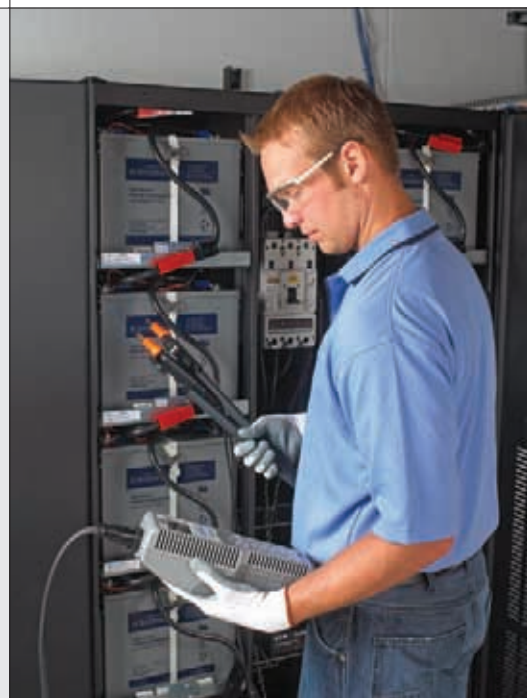
CELLTRON® ULTRA Universal Stationary Battery Analyzer

Midtronics battery testing products have been the industry leaders in the automotive, telecommunications, power utility and commercial transportation for more than a decade. Built upon this experience and proven technology, the **CELLTRON ULTRA** offers advanced battery testing capabilities for effective evaluation and maintenance of all stationary power systems including uninterruptible power supplies.

Batteries have been demonstrated to be the “weakest-link” in most UPS systems, and historic methods for evaluation have been cumbersome, confusing and inconclusive. The **CELLTRON ULTRA** combines advanced conductance technology, state-of-the-art portable electronics and convenient data management to facilitate fast, simple, safe and accurate battery management.

Features:

- Enhanced conductance methodology enables accurate and repeatable testing in the presence of ultra-high electrical interference.
- Software and data management techniques allow for the easy establishment of battery reference/baseline values when pre-determined data is not readily available, allowing for “reference-free” testing.
- The industry’s first lighted probes increasing visibility in confined battery cabinets and racks. This advance improves technician safety and test reliability while reducing risk of equipment damage.
- 32 megabyte card stores data up to 500 locations or systems
- Versatile multi-meter function allows for the measurement of AC & DC Voltage and Current. Scope mode displays AC ripple current and more.
- Data on 12 battery manufacturers pre-loaded to expedite testing and record-keeping process.
- ULTRA stores over 250 pre-established reference/benchmark values to assist in the development of battery pass/fail thresholds.
- ULTRA includes two rechargeable battery packs—each providing power for more than 1000 full test sequences, or more than 16 hours of test time.
- Complete kit provides everything needed for performing battery maintenance, including test probes and extenders, test clamps, temperature sensor, PC software and portable printer.



INNOVATION



TECHNOLOGY



QUALITY



WORLDWIDE

CELLTRON® ULTRA

Stationary Battery String Analyzer

Specifications

Model Number:
CTU-6000

Applications:
Tests individual lead acid cells or monoblocs (up to 16 Volts) in any common configuration, approximately 10-6000 Ah.

Voltage:
1.5 - 20.0 Volts DC

Conductance:
100 - 19,990 Siemens

Test Data Storage:
500 string locations of 480 test results stored internally

Accuracy:
+ 2% across test range

Voltmeter Resolution:
5 mV

User Programmable Functions:

- Preset values for over 250 battery types
- Low voltage alarm setting
- Low conductance warning
- Low conductance failure
- Test mode (push button/auto start)

Calibration:
Auto-calibration prior to every test, no future calibration required

Connectorized Test

Cable Options:

- Dual contact clamps
- Dual contact probes
- Custom cables by quotation

Power Requirements:

9.6V, 1600mAH, NiMH
Internal swappable battery & charger

Display:
LCD - FSTN
2.619 in x 1.309 in, 128 x 64 pixels, 40 degree viewing angle, contrast ratio 8, Green LED backlight

Keypad:
Stainless-steel dome, polycarbonate overlay, 1,000,000 actuations

Data Transfer:
Infra-red HP protocol, Infra-red, half-duplex IRDA protocol, RS-232 printer, Secure digital card

Environmental Operating Range:
0 to +40°C, 95% relative humidity, non-condensing

Storage Temperature:
-20 to 82°C

Over Voltage Protection:

- Auto-reset disconnect
- Reverse polarity protected

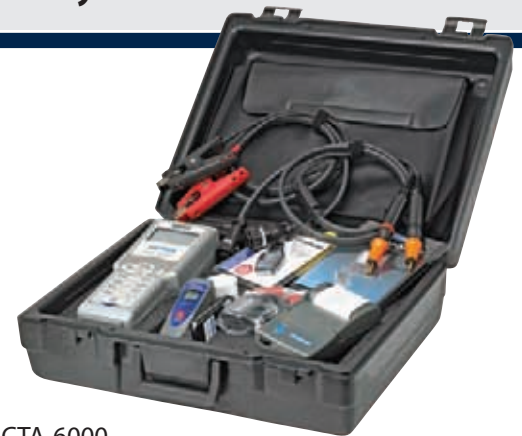
Housing Material:
Acid resistant ABS plastic santoprene overmold

Analyzer Dimensions:
11 in x 4 in x 3 in
280 mm x 105 mm x 80 mm

Case Dimensions:
19 in x 15.5 in x 7 in
485 mm x 395 mm x 180 mm

Analyzer Weight:
2.6 lb

CTU-6000 Test Kit
Shipping Weight:
Approximately 11 lb



CTA-6000



32 inches

Break-apart probe extensions allow for cabinet access and easy storage