

CRITICAL POWER CONFIDENCE.



CELLTRON ULTRA

UNIVERSAL STATIONARY BATTERY ANALYZER

Midtronics battery testing products have been the leading options in telecommunications, power utility and commercial transportation for more than a decade. Built upon 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.

MIDTRONICS

 Stationary Power

CELLTRON ULTRA STATIONARY BATTERY STRING ANALYZER

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 increase visibility in confined battery cabinets and racks. This advance improves technician safety and test reliability while reducing risk of equipment damage
- 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
- 32 megabyte card stores data up to 500 locations or systems



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

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Stationary Power

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