

# CRITICAL POWER CONFIDENCE.



## CELLTRON ULTRA

### UNIVERSAL STATIONARY BATTERY ANALYZER

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 in Data Center environments with high levels of electrical interference noise.

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 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
- **CELLTRON ULTRA** stores over 250 pre-established reference/benchmark values to assist in the development of battery pass/fail thresholds
- **CELLTRON 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



**STATIONARY POWER DEVICES**

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