Franklin Electric GRID SOLUTIONS

HANDHELD BATTERY TESTERS

CELLTRON ULTRA 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.

ACCURATE CONDUCTANCE TESTING

DATA MANAGEMENT

MULTIMETER FUNCTIONALITY

HIGHLIGHTS & TECHNOLOGY

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.

Versatile multi-meter function allows for the measurement of AC & DC voltage and current. Scope mode displays AC ripple current and more.

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.

Stores over 250 pre-established reference/benchmark values to assist in the development of battery pass/fail thresholds. Data on 12 battery manufacturers is pre-loaded to expedite testing and record-keeping process.

Includes two rechargeable battery packs-each providing power for more than 1,000 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.

APPLICATIONS

DATA CENTERS   **POWER UTILITIES**   **TELECOMM**

SPECIFICATIONS

Applications

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

Voltage

- 1.5 - 20.0 Volts DC

Conductance Range

- 100 - 19,990 Siemens

Test Data Storage

- 500 string locations of 480 test results stored internally

Accuracy

- + 2% across test range

Voltmeter Resolution

- 5mV

User Programmable Functions

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

Calibration

- Franklin Electric Grid Solutions will work with each customer to establish a regular calibration program if it is required by their quality or other management systems

Connectorized Test Cable Options

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

Power Requirements

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

LCD – FSTN Display

- 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 +104ºF (0 to +40ºC)
- 95% relative humidity
- Non-condensing

Storage Temperature

- -4 to 180ºF (-20 to 82ºC)

Over Voltage Protection

- Auto-reset disconnect
- Reverse polarity protected

Housing Material

- Acid-resistant ABS plastic
- Santoprene™ overmold

Analyzer Dimensions

- 11in x 4in x 3in (280mm x 105mm x 80mm)

Analyzer Weight

- 2.6 lb (1 Kg)

Case Dimensions

- 19 in x 15.5 in x 7 in (485 mm x 395 mm x 180 mm)

Shipping Weight

- 11 lb

Franklin Electric
GRID SOLUTIONS

ORDERING INFORMATION

CELLTRON ULTRA BATTERY ANALYZER

Model	Description
CTU-6000 KIT	CELLTRON Ultra battery analyzer kit

Included in the Kit
- CELLTRON Ultra battery analyzer
- Test probes
- Probe extenders
- Test clamps
- Temperature sensor
- Portable printer
- CELLTRAQ Express battery asset management software

BATTERY ASSET MANAGEMENT SOFTWARE

CELLTRAQ EXPRESS

Model	Description
CT-EXPRESS SOFTWARE	CELLTRAQ Express reporting software

- Utilizes a CELLTRON Advantage .CSV file to create a pdf report
- Allows the configuration of test data reference values and threshold values to denote poor test results
- Outputs the test results in a table and graph format for easy analysis
- Reports can be customized to include company logo and site information

ACCESSORIES & REPLACEMENT PARTS

DUAL CONTACT PROBES

Model	Description
C093	4' dual contact probes
C025	8' dual contact probes

- 4' cables have a "Y" junction spread of 24"
- 8' cables have a "Y" junction spread of 48"
- 6" rotating heads and half inch tips for instant contact
- Replaceable gold-plated over Duralloy® dual probe tips

Franklin Electric
GRID SOLUTIONS

REPLACEMENT PROBE TIPS

Model	Description
C069	Replacement probe tips (4 probe tips, 2 probe caps)
C031	Replacement probe waffle tips (4 probe tips)

- Replaceable gold-plated over Duralloy® dual probe tips

DUAL CONTACT CLAMPS

Model	Description
C092	4′ dual contact clamps
C024	8′ dual contact clamps, for 6 & 12 Volt batteries only
C062	4′ dual contact industrial clamps with reinforced cables

- "Y" junction spread of 48" (24" on industrial clamps)
- 5" clamps with 2" openings to attach to large battery terminals
- Powder coated red / black with copper plated cold rolled steel teeth

30" LIGHTED PROBE EXTENDERS

Model	Description
C034	30" lighted probe extenders
C033	Replaceable optic lamp kit for probe extenders with adhesive tape

- Soft rubber handles
- Utilized in hard-to-reach areas such as UPS cabinets
- Weight: 2 lbs

INFRARED LASER THERMOMETER

Model	Description
C058	Infrared laser Ttermometer with Celsius / Farenheit mode settings

- Requires 2 AAA batteries
- Waterproof
- Temperature Range: 32 °F to 932 °F (0 °C to 500 °C)
- Weight: 1lb

Franklin Electric
GRID SOLUTIONS

RECHARGEABLE BATTERY PACK

Model	Description
C090	NiMH rechargeable battery pack

- 9.6V, 1800 mAh NiMH

BATTERY PACK CHARGER

Model	Description
C091	NiMH battery charger

- Input: 120 Volts AC, 60 Hz, 25 mA
- Output: 12V, 100 mA

MEMORY CARD & READER

Model	Description
C089	2GB SD memory card
C095	SD card reader

- CELLTRON Ultra will not recognize an SDHC card

CUSTOM HARD CASE

Model	Description
C094	Custom hard case for CELLTRON Ultra

- Hard plastic shell
- Customized foam insert fitted for the CELLTRON Ultra and accessories
- Case only, tester and accessories sold separately
- Weight: 6.5 lbs
- Dimensions: 6.75"H X 15.75"L X 19"W

3760 Marsh Rd.   Madison, WI 53558

www.franklingrid.com   +1 844.344.5025