



Franklin Electric
GRID SOLUTIONS

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.



DATA CENTERS



TELECOMM



UTILITIES

APPLICATIONS

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	<ul style="list-style-type: none"> – 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	<ul style="list-style-type: none"> – Dual contact clamps – Dual contact probes – Custom cables by quotation
Power Requirements	<ul style="list-style-type: none"> – 9.6V, 1600mAH, NiMH – Internal swappable battery & charger
LCD - FSTN Display	<ul style="list-style-type: none"> – 2.619 in x 1.309 in – 128 x 64 pixels – 40 degree viewing angle – Contrast ratio 8 – Green LED backlight
Keypad	<ul style="list-style-type: none"> – Stainless-steel dome – Polycarbonate overlay – 1,000,000 actuations
Data Transfer	<ul style="list-style-type: none"> – Infra-red HP protocol – Infra-red – Half-duplex IRDA protocol – RS-232 printer – Secure digital card
Environmental Operating Range	<ul style="list-style-type: none"> – 0 to +104° F (0 to +40° C) – 95% relative humidity – Non-condensing
Storage Temperature	-4 to 180° F (-20 to 82° C)
Over Voltage Protection	<ul style="list-style-type: none"> – 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)
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

ORDERING INFORMATION

CELLTRON™ ULTRA BATTERY ANALYZER



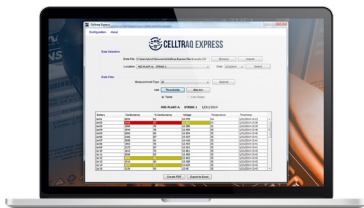
Model	Description
CTU-6000 KIT	CELLTRON™ Ultra battery analyzer kit

Included in the Kit

- CELLTRON™ Ultra battery analyzer
- Test probes
- Probe extenders
- Test clamps
- Temperature sensor
- Portable printer
- CELLTRAQ Express battery asset management software

Model	Description
CTU-6000 TESTER	CELLTRON™ Ultra battery analyzer only

BATTERY ASSET MANAGEMENT SOFTWARE



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



Model	Description
C040	Digital Amp Clamp/Meter

- 40A DC/AC range
- .90" (23mm) diameter jaw
- One touch zero button
- 400V DC/AC range
- Requires 2 AA batteries
- 600V overload protection for Ohm measurement
- Weight: 1.5 lbs
- Dimensions 10"L x 2"H x 4"W

ORDERING INFORMATION CONTINUED

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

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	4' dual contact clamps
C033	8' dual contact clamps, for 6 & 12 Volt batteries only

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

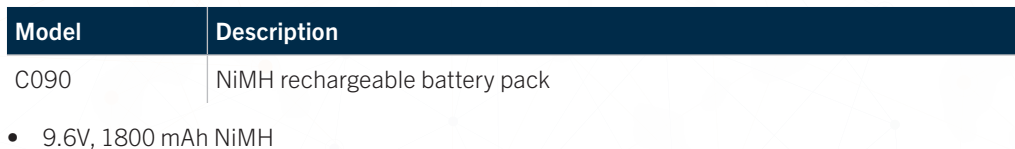
INFRARED LASER THERMOMETER



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

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

RECHARGEABLE BATTERY PACK



Model	Description
C091	NiMH battery charger
<ul style="list-style-type: none">• Input: 120 Volts AC, 60 Hz, 25 mA• Output: 12V, 100 mA	

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

- CELLTRON™ Ultra will not recognize an SDHC card

Model	Description
CA100	Celltron™-Branded Ballistic Nylon Backpack <ul style="list-style-type: none">Customized inserts fitted for the CELLTRON™ Advantage and Ultra handheld testers as well as accessoriesBackpack only, tester and accessories sold separately

ORDERING INFORMATION CONTINUED

THERMAL IR / RS232 PRINTER



Model	Description
CA087	Thermal IR / RS232 printer for use with CELLTRON™ Advantage
<ul style="list-style-type: none">• Power adapter and 4 NMH rechargeable AA batteries included• Weight: 1 lb• Dimensions: 2.25"H x 75"L x 3.25"W	

PRINTER POWER ADAPTER / CHARGER



Model	Description
A090	Power adapter / charger for CA087 thermal IR / RS232 printer

THERMAL PRINTER PAPER



Model	Description
A095	6 pack thermal printer paper rolls

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