C7000 C-Series
Professional
Battery Analyzer

Powered by PC-BatteryShop™

CADEX
DON'T LET A BATTERY STOP YOU

- **Powerful, Yet Simple**: 14 built-in & 4 custom programs
- **Universally Compatible**: 3,200 custom battery adapters
- **Fully Programmable**: advanced programming and data recording with PC-BatteryShop™
- **Industry Standard**: built around your needs

PRODUCT LINEUP

C7200	C7400	C7400ER	PC-BatteryShop™
2-Bay	4-Bay	4-Bay Extended Range	Software
Part# 07-720-0100	Part# 07-740-0100	Part# 07-740-1100	Part# 07-770-20XX*

Battery Adapters: Choose from SmartCable™, FlexArm™, RigidArm™, SmartConnect™, 3200+ custom designed models, or design a new one.

PROGRAMS

4 BASIC PROGRAMS:
Auto, Charge, Prime, QuickSort™ 1**

7 ADVANCED PROGRAMS:
Boost, Ohm Test, Discharge Only, Extended Prime, Life Cycle, Run Time, Self-Discharge

4 CUSTOM PROGRAMS: in each program, configure sequences (6 phases, 2 actions per phase) of charge, discharge, recondition, wait and repeat.

* XX = max number (up to 32) of analzyers it can control (exception: XX=01 for 3 analyzers).
** Capacity range: 500-1499mAh, time: 30 seconds

BATTERY TESTING SPECIFICATIONS

	C7200	C7400	C7400ER
Independent Stations	2	4	4
Battery Voltage	1.2-16V	1.2-16V	Li-ion, SLA: 1.2-36V NiCd, NiMH: 1.2-28.8V
Charge/Discharge Current	100mA-4A	100mA-4A	100mA-6A*
Maximum Charge Power	40W per station; 40W total	55W per station; 80W total	75W per station; 170W total
Maximum Discharge Power	35W per station; 70W total	35W per station; 140W total	75W per station; St.1+2: 100W total St.3+4: 100W total
Throughput: QuickSort™1 Full Service	30-40 batteries/hr 80 batteries typical	60-80 batteries/hr 160 batteries typical	60-80 batteries/hr 160 batteries typical

- **Chemistries**: Lithium-ion, Lithium-phosphate, nickel-metal-hydride, nickel-cadmium, lead-acid
- **Accuracy**: +/- 1% at max rated voltage, +/- 2% at 4000mA. Services batteries up to 24Ah. If set above 4A, the current automatically scales down.
- **Power Management:** On high load demands, the current scales down; large batteries may go on waiting queue.
- **Charge Method**: Automatic full charge detection, safe termination under all conditions. Temperature controlled. Customized charge methods possible.
  - Lithium-phosphate, Lithium-ion and lead-acid: constant voltage with current limit.
  - Nickel-based: constant current with Reverse Load adjustable from 5-12%.
- **Discharge Method**: Constant discharge current to end-of-discharge voltage threshold.
- **Battery Adapters**: Custom and universal SnapLock™ adapters. Each adapter holds up to 10 C-codes to service different battery types. Re-programmable with menu function. Temperature controlled.

* 6A charge/discharge current is only available with specialized / customer adapters.

HARDWARE SPECIFICATIONS

	C7200	C7400	C7400ER
Line Voltages	100-240VAC, 50-60Hz; 1.5A max	100-240VAC, 50-60Hz; 1.75A max	100-120/200-240VAC, 50-60Hz; 4A max
Physical:			
Length	12.1"; 312mm	14.4"; 360mm	15.4"; 398mm
Width	9,4"; 240mm	11.0"; 280mm	11.0"; 280mm
Height	3.5"; 90mm	3.8"; 100mm	4.2"; 107mm
Weight	7.1lb.; 3.2 kg	10.05lb.; 4.54kg	12.1lb; 5.5kg

- **Display**: 80-character LCD, backlit; each station also features RUN, READY, FAIL signal lights.
- **Data Ports**: Serial port: to print to label printers USB port: to connect to PC for BatteryShop™ and USB label printers.
- **Security**:
  Level 0: Open, no programming restrictions (default)
  Level 1: Password protected (low); allows C-code selection and display options
  Level 2: Password protected (high); most programming choices are locked
- **Environmental**: Operating temperature: 41 to 95°F (5 to 35°C) Storage temperatures: -40 to 167°F (-40 to 75°C)
- **Firmware**: Upgradeable with BatteryShop, flash memory. Lifetime upgrade subscription available
- **Approvals**: Tested and approved by ITS to comply with CSA/UL/CE standards.
- **Warranty**: Cadex warrants the analyzer against defective materials and workmanship for a period of two (2) years from the original purchase date.

ANALYZERS	CHARGERS	TESTERS	BATTERY PACKS	CUSTOM SOLUTIONS