



POWERING MOBILITY

QuickSort™

History

- ✓ QS1 (2006)
up to 1.5Ah, based on C-code
- ✓ QS2 (2012)
up to 2.4Ah (discontinued)
- ✓ QS3 (2015)
up to 3Ah, based on Q-code
- ✓ QS4 (2016)
up to 4Ah, generic, 4-Minute-Test



QuickSort™

QuickSort 4 (QS4)

- ✓ uses Electrochemical Dynamic Response with Multi-dimensional Normalization to sort Li-ion batteries into Good and Poor.
- ✓ QS4 does not use Q-codes but requires entering battery capacity and voltage.
- ✓ The pass/fail capacity can be selected from 60–90%
Test time is 4 minutes.
- ✓ Low charge and capacity-loss appear similar.
The patent pending QS4 separates these two characteristics and reads capacity with state-of-charge of 40–100%.



C5100-B Battery Analyzer

- ✓ Services single cell LION Batteries
- ✓ Features QuickSort™, Charge, Cycle, Boost
- ✓ Comes with RigidArm™ Universal Battery Adapter



US patent [7,622,929](#) in battery SoH estimation

C5100-B

Range for charge and discharge

- ✓ Voltage: 3.6V and 7.2V nominal
- ✓ Current: max. 2A*
- ✓ Power: 8W
- ✓ Polarity protected

*Analyzer automatically chooses a lower C-rate when exceeding 2A (intelligent power management).



C5100-B

Battery Adapter

- ✓ RigidArm™
- ✓ Also takes SnapLock™ adapters
- ✓ Auto-scales when setting exceeds current/power
- ✓ Temperature sensor
- ✓ Read-only function
- ✓ programmable with PC-BatteryStore™



C5100-B

Programs

- ✓ TEST:
QuickSort™
- ✓ CHARGE:
Fast Charge
- ✓ CYCLE:
Charge/Discharge/Charge
- ✓ BOOST:
Reactivates sleeping batteries



C5100-B

QuickSort™

- ✓ QS1: 600–1,500mAh
- ✓ QS4: generic
 - Capacity up to 4,000mAh
 - user-entry of voltage and capacity
 - Services 3.6 - 3.85V Li-ion batteries





C5100-B

QuickSort™

- ✓ Set Target Capacity
60%, 70%, 80% or 90%
- ✓ Install Battery Adapter
RigidArm™ or other SnapLock™
- ✓ Insert Battery
- ✓ Choose Voltage
3.6/3.7, 3.8 or 3.85V
- ✓ Choose Capacity
500-4000mAh
- ✓ Choose Program
Test, Charge, Cycle, Boost
- ✓ Or use Battery Store v1.6



THANK YOU

www.cadex.com



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POWER SOURCES SPECIALIST

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