

BATTERY & CHARGER ANALYSER & CAPTESTER

BT BACA

- The Battery and Charger Analyser (BACA) and Captester are invaluable instruments for technicians using 12 & 24V batteries and chargers. Proving that a battery has the capacity intended for a particular application can be a time-consuming operation.
- Deciphering what a battery charger is doing can be very tedious, especially with the multi-stage chargers currently available.
- The guesswork is taken away with the BACA, it is not only manually programmable but also displays the results on an LCD screen. Detailed information can also be downloaded to produce a graphic representation of the results.
- The Captester is designed with the mobility technician in mind. 12V batteries can be individually discharged, and the results displayed. Once the technician connects the terminals to the battery, the BACA then prompts the technician to add the size of the battery to be tested, the Captester automatically calculates the load and, after the test, reports the result as a percentage of the original value.
- A 24V battery charger may be placed under test when charging 2x 12V batteries; again, the BACA will report on the performance of the charger. Results can be downloaded for filing or reporting.



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BATTERY TESTER SPECIFICATIONS



Testing Capabilities

- Measure the capacity of a battery in Ampere-hours and display this measurement on the LCD screen and retain the value in memory.
- Measure the charge inserted into the battery and display as above.
- During the test procedure, data is stored in the BACA and may be downloaded for time/voltage and time/current graphs.
- Batteries can be cycled and the data of 8 cycles retained and held available for assessment.

Extrapolations from Data Acquired

- Exactly how good a battery is - the measured ampere-hour value will be available.
- Whether the charger is performing as quoted and that the battery is being fully charged as designed or specified.
- Cycling a battery yields interesting results: will the battery improve with use? Often batteries, especially Gel technology, will improve quite substantially when cycled.

Specifications

TECHNICAL DATA	12V Version	24V Version	Captester
Measured Voltage Range	6-18V	12-32V	6-18V
Max. Input Voltage	16V	30V	16V
Min. Input Voltage	6V	12V	6V
Max. Charging Current	23A	23A	23A
Discharging Current	0.3-25A (0.1A steps)	0.3-25A (0.1A steps)	Selected by unit
Current Error	±2% ±0.05A	±2% ±0.05A	±2% ±0.05A
Cut-off Voltage	6-15V	12-30V	Selected by unit
Charging Time	1h-99h	1h-99h	1h-99h
Max. number of Cycles	8	8	1
Dimensions	200x140x190	200x140x190	200x140x190
Weight	1.5kg	1.5kg	1.5kg

Specifications subject to change without notice.