

10A/30V Computerized 8 Channels Battery Analyzer

with

Laptop & Software for R&D All Rechargeable Cells & Electrodes



Introduction

BST8-10 is **eight** channels battery testing system for **Li-ion, LiFePO₃, Ni-MH, Ni-Cd** and lead acid battery pack up to **10A 30V** per channel. This system provides most applications in battery testing fields such as **electrode materials research, battery performance test, small-scale battery formation, capability grading, and battery pack testing, etc.**

According to the international standard design, each channel of the system has an independent constant-current source and a hardware constant-voltage source. Constant-current source and constant-voltage source can be programmed and controlled as desired. In addition, an independent pulse source is added to each battery channel to meet with the requirements of dynamic internal resistance measurement.

BTA8-10 system includes one 14.5" LCD Laptop computer with preinstalled software for immediate use. With plug-and-play module design, the user can freely remove and load the module units without interrupting other module unit's normal running.

Specification

Eight independent programmable channels. Each channel can set different working modes simultaneously and works independently.

Fine programming characteristic. **The software (TC5.3) with calibration software** can set various working modes for measuring capacity and cycle life of all types of rechargeable battery cells, includes constant current discharge, constant current charge, constant voltage charge, rest, as well as voltage, current, time, capability, negative voltage slope, and other limit conditions, **the calibration software can easily calibrate the analyzer and revise the case number.**

Windows-based software interface for easy operation is included. The software is compatible with WinXP/Vista/Win7, with real-time monitoring windows and integrated graph/data windows, the testing process can be observed more directly and efficiently. During the test, the software will give timely instructions and warnings, provide intelligent help both in English and Chinese.

Powerful data and graph processing function. The software of BTA8 Series uses standard SQL data-base management and is compatible with Access, Excel and features large data processing capacity. The user can define the curve by different types such as voltage-time curve, current-time curve, capacity-voltage curve, loop times-charge/discharge capacity curve, loop times-charge/ discharge efficiency curve, etc, and then, **make curve compare both by visually and statistically.**

Complete test process record (log function). BTS8 Series can make a complete record of all the events happened in the test. By checking the record, user can more easily find these external interferential causes.

Intelligent power failure protection. If power failure during the testing, the system will shutdown running channels and, once power recovers, it will automatically resume those stopped channels and ensure that the test is normally conducted and the date will never lose at any cases.

Specially made battery holders. This machine provides two types of battery holders - alligator clips with cable and spring load holder with adjustable length to allow you measure flat or cylinder battery at easy. RS232 communication cable connecting battery analyzer and computer is included (**RS232 to USB adaptor and dedicated driver now are provided as standard**)

Worldwide Voltage Input. Please choose 110V AC or 220 - 240V AC in product option

Two Year Limited Warranty



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