

SBS-6500 Battery Analyzer

Complete Battery Resistance Tester and Data Logger / Meets All IEEE/NERC Standards

The SBS-6500 analyzer is a multipurpose resistance and voltage testing kit. It has a storage capacity of 7.5 million data records for capturing and analyzing the entire history and details of up to 300 battery systems. Through your PC, or while on-site, the SBS-6500 can be programmed with site names, battery details and pass/warning/fail alarm set points for resistance measurements (pass/fail for voltage). All data is retained in the meter's internal memory for on-site comparisons and historical trending. The SBS-6500 will also connect to a PC via USB to create custom graphical reports in PDF, Excel or Word formats.

The SBS-6500 will also directly import specific gravity readings from an optional SBS-2003 digital hydrometer storing voltage, resistance, temperature and gravity readings inside the SBS-6500 tester for future reference/reporting.

Data Storage:
300 battery strings
x 250 cells per string
x 4 tests per year over
a period of 25 years =
7.5 million records

Benefits

- User-friendly software and easy to navigate menu
- Includes software package for storing and analyzing results
- Individually name and set parameters for each battery string (up to 300 strings)
- Large 3.8" LCD backlit display
- Download specific gravity readings wirelessly into the SBS-6500 with the SBS-2003 digital hydrometer – no separate data logger required
- Meets IEEE and NERC maintenance recommendations for stationary battery systems

Applications

- Utility
- UPS
- Telecommunications
- Battery manufacturing
- Industrial maintenance
- Critical power
- Data center

Functions

- Communicates to PC through USB port
- Storage battery resistance testing: automatically switches within the test range 1 mΩ to 400 mΩ and resistance measurement resolution reaches 1 mΩ
- Resistance tests each connection in under 5 seconds
- Test results are compared to preset, user-defined alarm and set point values
- Generates and displays the battery string's single cell test report and comparison data
- On-screen pass / warning / fail indication during testing based on set parameters
- Can view all historical data on handheld unit

Contains
Data logger,
SG Bluetooth
Upload and
USB PC
Integration
Software



Features

- For flooded lead-acid, VRLA, Ni-Cad, Li-ion & NiMH batteries
- Voltage testing range is 0–100 Vdc
- IEC 6101-1 CAT II 300V Safety Standard
- Built-in rechargeable NiMH battery
- Automatically measures and stores data
- Software package

Specifications

Size and Weight	4.2"W x 2.2"D x 8.3"H; 2.6 lbs.
Storage	7,500,000 records
Ah Measurement Range	5 – 6000Ah, 0 to 100 Vdc
Voltage Measurement	Resolution: 0.001V Accuracy: ±0.1%
Resistance Measurement	Range: 1 mΩ to 400Ω Resolution: 0.001 mΩ Accuracy: ±1.0%
Display	3.8" LCD, 320 x 240 backlit screen
User Programmable	Alarms, Setpoints, Site names, Battery models
Communication Interface	USB, Bluetooth w/ SBS-2003
Software	SBS-6500 Battery Management Software
Software Format	MS Windows
Built-in Battery	Rechargeable NiMH battery pack
Operation Time	8 hours
Operation Temperature	14° F to 122° F

Hydrometer/Resistance Tester Package

Easy Data Management & Storage

When combined with our SBS-2003 hydrometer, the SBS-6500 provides an all-in-one solution for your battery testing needs. The hydrometer downloads specific gravity data directly into the SBS-6500. When a report is created with SBS-6500 battery management software, all voltage, resistance, and specific gravity data will be in a single report.

For more information on the hydrometer, see the SBS-2003 data sheet.



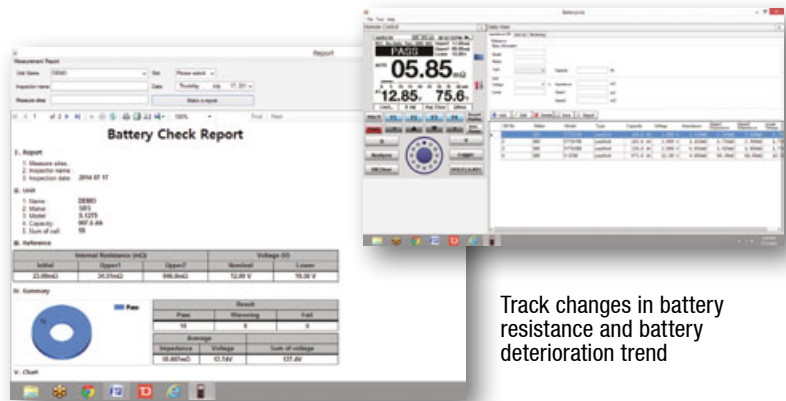
SBS-6500
Battery Analyzer



SBS-2003
Hydrometer

Battery Management Software (Included)

- Analyzes battery function and efficiency
- Interface for loading string and alarm data to and from tester
- Direct export into Excel format for easy incorporation into custom reports
- Separate data archives for cell, battery, intercell connector resistance records and specific gravity
- Self interpretation of data for clear, concise comparisons
- Graphs cell trends; creates battery analysis and reports



Track changes in battery resistance and battery deterioration trend



SBS-6500 Includes

- Main unit
- Pin probes
- NiMH battery & charger
- USB cable
- Quick start guide
- Software
- Carrying case



Pin Probes
P/N 6500-PIN-PROBE

Clamp Probes (optional)
P/N 6500-CLAMP-PROBE

Ordering Information

Part No.	Description
SBS-6500	Battery resistance testing kit
SBS-6500/2003PKG	Complete battery maintenance testing combo (Includes SBS-6500 & SBS-2003)

Accessory Ordering Information

Part No.	Description
SBS-2003	Digital lead-acid battery hydrometer
6500-CLAMP-PROBE	Clamp probe leads
6500-PIN-PROBE	Replacement pin probe leads
6500-PIN	Replacement pin set for 6500-PIN-PROBES
6500-BATT	Spare NiMH battery for SBS-6500