SBS-6500 Battery Tester
Assists with IEEE/NERC Compliance

The SBS-6500 is a multipurpose impedance and voltage tester. Readings of cells and intercell connectors are taken within seconds using the included pin probes (or optional clamp probes). The SBS-6500 can be programmed with site names, battery details and pass/warning/fail alarm set points for ohmic measurements (pass/fail for voltage). All data is retained in the meter’s internal memory for easy on-site access. With a computer and the included software, the SBS-6500 generates custom graphical reports for historical trending and comparisons.

The SBS-6500 pairs with our SBS-2003 digital hydrometer to import specific gravity readings from the SBS-2003 into the SBS-6500. With this data merge, the SBS-6500 will store and generate reports with voltage, ohmic, temperature and gravity readings.

Benefits
• Quickly records and stores ohmic values, voltage and temperature of strings, cells and intercell connectors
• Instantly retests and recalls readings on-site
• Pin probe or clamp probe compatible
• User-friendly software and easy-to-navigate menu
• Convenient battery string and parameter set up via unit or software
• Organizes data by name and parameters for each battery string (up to 300 strings)
• Optional ability to download specific gravity readings wirelessly from SBS-2003 hydrometer
• Meets IEEE and NERC maintenance recommendations for stationary battery systems

Applications
• Telecom
• Utility
• Oil and Gas
• Solar/Photovoltaic
• UPS
• Emergency Lighting
• Railways

Functions
• Tests and records impedance, voltage and temperature readings of cells and intercell connectors
• On-screen pass/warning/fail indication during testing based on set parameters
• Stores and displays all historical data on handheld unit
• Communicates with computer and software via USB port
• Generates and displays battery string’s test report and comparison data

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

Features
• Versatile: tests flooded lead acid, VRLA, NiCd, Li-ion and NiMH batteries and strings
• Automatically measures and stores data within seconds
• Voltage testing range of 0–100 Vdc
• IEC 6101-1 CAT II 300V Safety Standard
• Built-in NiMH battery with unit charging cord
• Large 3.8” LCD backlit display

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size and Weight</td>
<td>4.2” W x 2.2” D x 8.3” H; 2.6 lb.</td>
</tr>
<tr>
<td>Storage</td>
<td>7,500,000 records</td>
</tr>
<tr>
<td>Ah Measurement Range</td>
<td>5–6000 Ah, 0–100 Vdc</td>
</tr>
<tr>
<td>Voltage Measurement Resolution</td>
<td>0.001V</td>
</tr>
<tr>
<td>Voltage Measurement Accuracy</td>
<td>±0.1%</td>
</tr>
<tr>
<td>Impedance Measurement Range</td>
<td>1 mΩ to 400Ω</td>
</tr>
<tr>
<td>Impedance Measurement Accuracy</td>
<td>±1.0%</td>
</tr>
<tr>
<td>Display</td>
<td>3.8” LCD, 320 x 240 backlit screen</td>
</tr>
<tr>
<td>Communication Interface</td>
<td>USB, Bluetooth w/ SBS-2003</td>
</tr>
<tr>
<td>Software</td>
<td>SBS-6500 Battery Management Software</td>
</tr>
<tr>
<td>Software Format</td>
<td>MS Windows</td>
</tr>
<tr>
<td>Power Supply</td>
<td>Rechargeable NiMH battery pack</td>
</tr>
<tr>
<td>Operation Time</td>
<td>8 hours</td>
</tr>
<tr>
<td>Operation Temperature</td>
<td>14° to 122° F</td>
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</tbody>
</table>

Video available at www.sbsbattery.com/videos
Hydrometer & Impedance Tester Data Merge

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 for viewing or reporting. When a report is created with the SBS-6500 software, correlating voltage, temperature, impedance and specific gravity data readings will be together in a single report.

Battery Management Software (Included)
- Interface for loading string and alarm data to and from tester
- Exports into Excel and PDF formats for easy incorporation into custom reports
- Creates graphs and reports for battery analysis and trending

SBS-6500 Includes
- Main unit
- Pin probes
- Instruction manual
- Quick start guide
- Software
- USB cable
- Unit charging cable
- NiMH battery
- Adjustable carrying strap
- Carrying case

Accessory Ordering Information

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBS-2003</td>
<td>Specific gravity tester</td>
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<tr>
<td>6500-CLAMP-PROBE</td>
<td>Clamp probe leads</td>
</tr>
<tr>
<td>6500-PIN-PROBE</td>
<td>Replacement pin probe leads</td>
</tr>
<tr>
<td>6500-PIN</td>
<td>Replacement pin set for 6500-PIN-PROBES</td>
</tr>
<tr>
<td>6500-BATT</td>
<td>Spare NiMH battery for SBS-6500</td>
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