

SBS-6800 Battery Conductance Tester

Test Automotive and Generator Start Batteries

The SBS-6800 is a multipurpose conductance and voltage tester. Take cell or battery readings within seconds using the included pin probes or clamp probes. The SBS-6800 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 tester's internal memory and can be printed directly to the optional printer, or exported for creating reports or trending. No software program is required.

Using the principle of conductance, the SBS-6800 measures the battery or cell's ability to pass electricity through it. Conductance testing is standard throughout the telecommunications industry and is an accepted "ohmic measurement" for NERC Compliance and IEEE recommended maintenance practices.

Benefits

- Quickly records and stores ohmic values, voltage and temperature of strings, cells and inter-cell connectors
- Instantly retests and recalls readings on-site
- Pin probe or clamp probe compatible
- User-friendly and easy-to-navigate menu
- Convenient battery string and parameter set up directly on tester
- Organizes data by name and parameters for each battery string (up to 50 Strings)
- Helps meet IEEE and NERC maintenance recommendations for stationary battery systems
- Made in the U.S.A.

Data Storage

- 50 battery strings x 240 cells per string
- 250 programmable reference values
- Low V, low and high conductance alarms



Specifications

Size and Weight	4.0" W x 3.0" D x 11.0" H; 2.6 lb.
Storage	12,000 records, 250 reference values
Ah Measurement Range	Range: 5-6000 Ah
Voltage Measurement	0.001V 0.8-20 Vdc Accuracy: ±0.2%
Conductance Measurement	Range: 100-19,990 Siemens Resolution: 0.001 G Accuracy: ±2.0%
Display	2.97" LCD, 128 X 128 Pixel LED backlit screen
Communication Interface	USB data transfer by cable or drive
Power Supply	Rechargeable NiMH battery pack
Operation Time	6-8 hours depending on number of tests
Operation Temperature	0° to 104°F

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 1.0-20.0 Vdc
- IEC 6101-1 CAT II 300V safety standard
- Swappable 7.2Vdc NiMH battery with in-unit charging cord
- Large 2.97" x 2.81" LCD with LED backlit display
- Engine start / CCA test capabilities

Applications

- Telecom
- Automotive/Generator Start
- Oil and Gas
- Solar/Photovoltaic
- UPS
- Emergency Lighting
- Railways
- Stationary / Utility

SBS-6800 Includes

- Main unit
- Pin probes, clamps and cable set
- Instruction manual
- USB cable
- USB drive for Excel data transfer
- Battery pack (2)
- Hard case
- Multimeter firmware module
- Gen start firmware module
- Trending firmware module
- Capacity firmware module



Ordering Information

Part No.	Description
SBS-6800	Battery conductance tester

Accessory Ordering Information

Part No.	Description
6800-CLAMPS	Replacement clamp probes set
6800-RC	Replacement clamp red
6800-BC	Replacement clamp black
6800-PROBES	Replacement pin probe set
6800-PR	Replacement probe red
6800-PB	Replacement probe black
6800-CABLE	Replacement test cable
6800-TIPS	Replacement waffle probe tips
6800-PIN-TIPS	Long sharp pin tips for probe set
6800-PROBE-EXT	Probe extender rod Kit
6800-CHARGER	Battery charger for unit
6800-CHARGE-CRADLE	External battery charging cradle
6800-BATTERY	Spare NiMH battery pack
6800-PRINTER	Infrared printer
6800-USB	USB drive
6800-USB-CABLE	USB cable
6800-CLAMP-CABLE-LONG	Custom clamp cable set (call for quote)
6800-PROBE-CABLE-LONG	Custom pin cable set (call for quote)