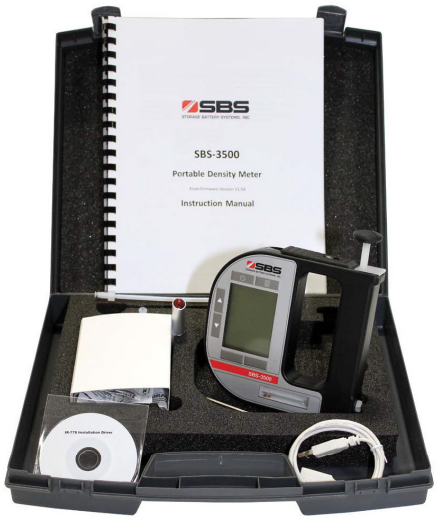
SBS STORAGE BATTERY SYSTEMS, LLC
Powered by
Exponential™ POWER

SBS-3500 Digital Hydrometer / Density Meter

Digital Specific Gravity Tester with Downloading Capabilities for NiCd or Lead Acid Batteries

The SBS-3500 uses oscillating U-tube technology to measure specific gravity and temperature of lead acid or nickel cadmium batteries within seconds. The unit is able to take readings between the range of 0.0000 to 3.0000. With the ability to communicate wirelessly to a printer or computer via the integrated IrDA interface, testing results can be uploaded into an easy-to-read report.



Features

- Measures specific gravity, ambient temperature and count
- Tests both lead acid and nickel cadmium batteries
- Time savings: 5 times faster than conventional methods
- ± 0.001 accuracy
- Automatic temperature compensation
- Compact, lightweight design enabling one-hand measurement
- Stores up to 100 sample IDs for easy sample identification
- Stores up to 1024 measurements including time stamps and sample IDs
- Infrared data interface for data exchange
- LCD display

SBS-3500 Includes

- Main unit
- Instruction manual
- IR computer link and driver
- 7" filling tube
- Carrying case

Ordering Information	
Part No.	**Description**
SBS-3500	Specific gravity tester (°F and °C)

Accessory Ordering Information	
Part No.	**Description**
SBS-3500-TUBE	7" filling tube for SBS-3500
SBS-3500-PUMP	Replacement hand pump for SBS-3500

Specifications	
Method of Detection	Specific gravity; oscillating tube method
Temperature	Measuring: 0 to 40° C (32 to 104° F) Ambient: -10 to 50° C (14 to 122° F) Storage: -20 to 70° C (-4 to 158° F)
S.G. Range	0.0000–3.0000
Measuring Time	Within 3 seconds
Power Supply	(2) AA batteries
Calibration	With dry air or pure water
Accuracy	±0.001; temperature: 0.2° C (0.4° F)
Size	5.5" L x 5.4" W x 1" H, 12.2 oz.
Filling Tube	7" L

Applications

- Utility
- UPS
- Data Centers
- Telecom
- Material Handling
- Battery Manufacturing

Battery Specifications			
Part No.	PMC-PV700HF****	PMC-PSW1000	PMC-PSW2000
Continuous Output Power (Watts*)	700	1000	2000
Peak Output Power (Watts)**	1400	2000	3000
Input Voltage (VDC)	12V (10V–15V)	12V (10.5V–11V)	12V (10.5V–11V)
Output Voltage Frequency (VAC)	104–127VAC / 60Hz	104–127VAC / 60Hz	104–127VAC / 60Hz
Efficiency (approximately)	85–90%	85–90%	85–90%
Output Waveform	PWM Sine Wave	True Sine Wave	True Sine Wave
Low Battery Voltage Alarm (Volts)	10.5V	11V (audible)	11V (audible)
Low Battery Shutdown (Volts)	10V	10.5V	10.5V
AC Outlets	(3) NEMA 5–15R	(2) 8A max. / GFCI protected	(2) 8A max. / GFCI protected
USB Output Power	Not available	(1) 5VDC, 500mA	(1) 5VDC, 500mA
Standby Battery Draw***	>800mA	>800mA	>800mA

* Maximum continuous output power for five minutes. Only available when battery is properly charged.

** Peak output power is instantaneous. Maximum power only available when battery is properly charged.

*** When inverter is on but no power is being supplied to a load.

**** Inverter is not compatible with lithium batteries.

Charger Specifications				
Part No.	PMC-DL1220*	PMC-DL1240*	PMC-DL1260**	PMC-DL12100**
Output Voltage (VDC)	12V nominal	12V nominal	12V nominal	12V nominal
Output Current (Amps)	20A	40A	60A	100A
Input Voltage (VAC)	90–120VAC	90–120VAC	90–120VAC	210–240VAC
Efficiency (approximately)	85–90%	85–90%	>95%	>95%
Circuit Protection (AC fuse rating)	8A 250V	15A 250V	Not replaceable	Not replaceable

* Charger is not compatible with lithium batteries.

** Charger is not compatible with lead acid batteries.