

# SBS-2003 Digital Hydrometer / Density Meter

Digital Specific Gravity Tester with Bluetooth Downloading Capabilities



Specific gravity testing is easy and efficient with the SBS-2003. Simply insert the nozzle into the battery and depress the finger pump, which draws a few drops of sulfuric acid (H<sub>2</sub>SO<sub>4</sub>) through the tube. Within three seconds the measured refractive index is converted into a temperature-compensated specific gravity reading and the specific gravity, temperature and cell count are displayed. After testing is completed, you can transfer the data to your computer via Bluetooth and download results into an Excel report.

Combining a light weight and durable design with easy maintenance, field-replaceable spare parts and a large data storage memory, the SBS-2003 is suitable for use with lead acid batteries.

## Benefits

- Measures specific gravity, ambient temperature and count
- Automatic temperature compensation to 77° F (or 25° C)
- Time savings: 5 times faster than conventional methods
- Stores up to 1000 readings
- Wirelessly transfers testing data to provided software to create an Excel report

## Features

- Able to record temperature in Fahrenheit or Celsius
- ±0.002 accuracy
- LCD display
- IP64 water resistant

## Applications

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

## Cost Savings Example

SBS field studies show that using the SBS-2003 is five times faster than using a standard glass hydrometer and thermometer.

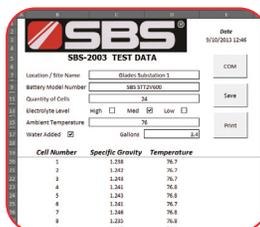
If you spend 60 minutes testing specific gravities every month in 20 sites, this totals 60 minutes x 20 sites x 12 months per year = 14,400 minutes divided by 60 minutes = 240 labor hours per year.

Since we can reduce this time by 500%, 240 hours divided by 5 = 48 hours total time with the SBS-2003.

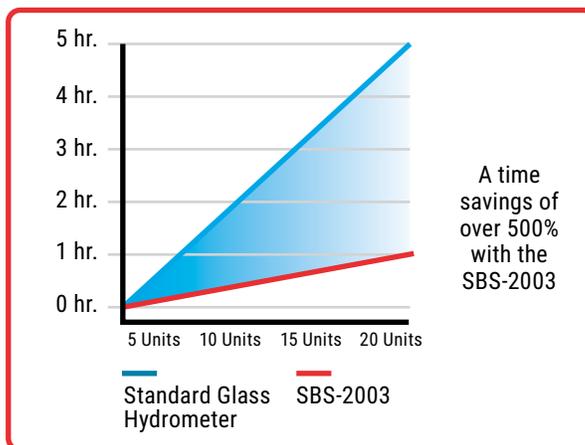
That's a savings of 192 hours per year. Multiplied by \$45.00 per hour labor cost with benefits: 192 x \$45.00 = \$8,640.00 of savings per year.



Video available at [www.sbsbattery.com/videos](http://www.sbsbattery.com/videos)



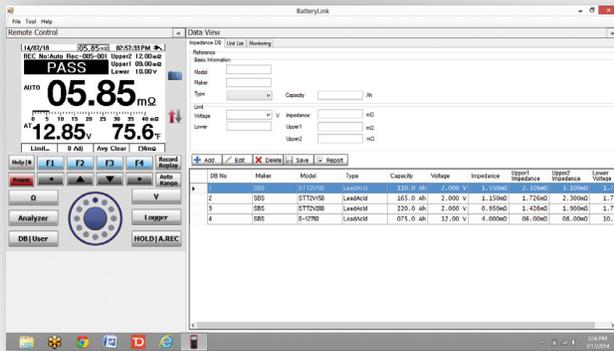
Data Archive/  
Export into Excel



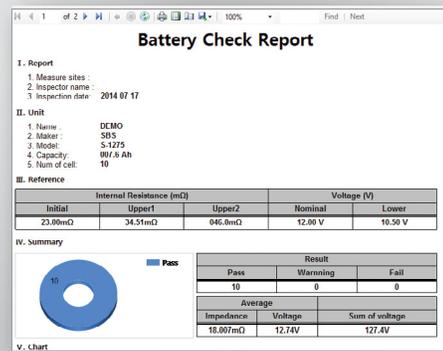
## Hydrometer & Impedance Tester Data Merge



When combined with our SBS-6500 impedance tester, the SBS-2003 provides an all-in-one solution for your battery testing needs



Specific gravity readings will be integrated into the SBS-6500 data/readings



Now all data for each battery can be exported into one, easy-to-read report which will include the downloaded specific gravity readings



### SBS-2003 Includes

- Main unit
- Instruction manual
- Excel template software
- Three (3) filling tubes
- 9V battery
- Adjustable hand strap
- Hard case

### Specifications

Method of Detection	Specific gravity; light refraction method
Temperature	Measuring: 5 to 40° C (41 to 104° F)
Range	1.000-1.400
Measuring Time	Within 3 seconds
Power Supply	(1) DC9V alkaline battery
Calibration	Distilled or de-ionized water
Accuracy	Specific gravity: ±0.002 @ 10 to 30° C (50 to 86° F) Temperature: ±1° C @ 10 to 30° C (1.8° F @ 50 to 86° F)
Size	2.75" D x 1.75" W x 8.25" H; 10.75 oz.
Filling Tube	9.5" L x 1/8" diameter

### Ordering Information

Part No.	Description
SBS-2003	Specific gravity tester (°F and °C)

### Accessory Ordering Information

Part No.	Description
2002/3-SPR-PRT-KIT	Spare parts kit includes: O-ring, sample chamber w/ rubber pump, (3) 9" filling tubes
2002/3-TUBE	9" filling tube for SBS-2003
2002/3-HOL	Holster w/ belt for SBS-2003
SBS-TE CASE	Soft case for hydrometer