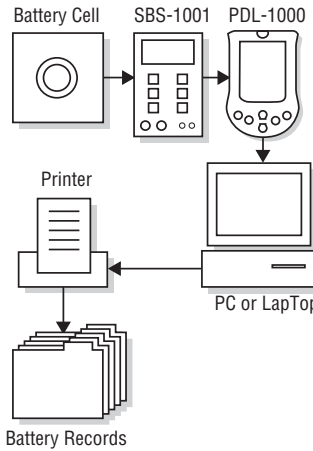


SBS-1001 Digital Hydrometer/Voltage Meter/Palm Logger

Digital Specific Gravity and Voltage Tester



SBS-1001



PDL-1000

The SBS-1001 Digital Hydrometer sets you free from the ordinary nuisance of battery testing. Its digital readout let's you know the specific gravity and temperature for the electrolyte, and the cell voltage for lead acid batteries.

Features:

- Measures lead acid, battery-specific gravity, temperature, and voltage
- Bright LCD readout
- Automatic temperature compensation to 25°C (77°F)
- Data logger (DL-1000) measures the specific gravity, voltage and temperature of up to 50,000 batteries
- Data can be viewed, printed, saved to a disk, or exported to an ASCII file.

General Information:

Each SBS-1001B includes:

1. Hydrometer (SBS-1001)
2. Test leads
3. Sensor with bulb pick-up
4. Sensor adjustment tool
5. 9V alkaline battery
6. Carrying case

PDL-1000 includes:

1. Palm
2. Hydrometer interface
3. Interface cable
4. PC software

1001 HOLBP Includes:

1. Carrying holster
2. Dual battery pack and charger
3. Heavy-duty case

Ordering Information:

SBS-1001 Digital Hydrometer
 SBS-1001B Bulb Digital Hydrometer
 PDL-1000 Data Logger & Software
 1001HOLBP Holster
 SBS1001 Kit Packaged Kit of all of above

PDL-1000 Palm Program Data Logger:

- Sends requests to the serial port in a fixed time interval
- Takes measurements of voltage, temperature and gravity. Stores current reading and time into a table format
- Stores time and its serial numbers when measurements are taken
- Sound signal given when measurements are taken, or a warning if measurements are out of range
- Alarm signal and measurement units can be turned on or off upon request
- Comments can be manually inserted or added, and records can be removed from the table upon request
- Auto recording available

PC Sample Report Screen

| Bank: 1 | | | | | | |
|--------------------------------|-------|---------|------|------|-------|---------|
| Date: September 21st, 1998 | | | | | | |
| Company: XYZ Company | | | | | | |
| Location: 1234 W. Electric Ave | | | | | | |
| No. of Cells: 60 | | | | | | |
| CELL | S.G. | TEMP(F) | VOLT | CELL | S.G. | TEMP(F) |
| 1 | 1.225 | 70.5 | 2.17 | 41 | 1.143 | 68.5 |
| 2 | 1.272 | 77.3 | 2.16 | 42 | 1.275 | 73.3 |
| 3 | 1.224 | 68.5 | 2.17 | 43 | 1.269 | 68.5 |
| 4 | 1.197 | 70.8 | 2.12 | 44 | 1.142 | 71.6 |

| Specifications | | |
|----------------------|--|------------------|
| Sensor: | Sensor probe dia: 0.9" (23mm) fits into vent well of most stationary or motive power batteries (bulb screws on to allow use with any type of lead acid battery down to 1/4" opening) | |
| Method of Detection: | Specific gravity: optics, temp: silicon diode resistance | |
| Indicator: | LCD digital indicator | |
| Specific Gravity: | Measurement Range | Accuracy |
| | 1.050 to 1.350 | +/- 0.003 |
| | Acid Temp: | +/- 1 C (0-40 C) |
| Voltage: | 19.99VDC | +/- 0.01V |
| Power Supply: | DC 9V alkaline battery | |
| Size: | 7.5" x 4" x 2.25" HWD (190 x 101 x 57mm) | |
| Sensor: | 7"L x 0.9"D (182 x 23mm) (Bulb 1/8" x 4") | |