

# Manual Battery Hydrometer and Thermometer

## Z-1G Manual Specific Gravity Tester



Hydrometers (density meters) measure the specific gravity of liquids. Specific gravity is the ratio of the density of the liquid being tested to the density of water. In the case of battery testing, the hydrometer is measuring the specific gravity of the battery's electrolyte. The higher the acid concentration in the electrolyte, the higher the specific gravity.

Based on the specific gravity, the user can determine the state of charge of the battery.

Retaining hydrometer readings and data over time is recommended by IEEE as part of any Battery Maintenance Program.

### Features

- Industrial grade hydrometer
- Virtually unbreakable
- Built with polycarbonate barrel and special heavy-duty glass float that can withstand drops from 10 ft.
- Scale: 1.100 – 1.350 with .005 subdivisions

Polycarbonate barrel

Rubber bulb



Special heavy-duty glass float



A scale inside the stem makes it easy to read specific gravity.

- Scale 1.100 – 1.350
- Note: .005 Subdivisions

### Applications

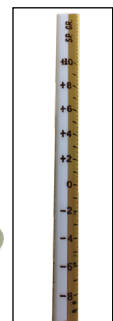
- Lead-acid battery testing (SBS also offers digital battery hydrometers)
- Alcohol testing
- Food and beverage
- Petrochemical

### Ordering Information

Part No.	Scale	Description
Z-1G	1.100 – 1.350	Industrial grade hydrometer with heavy duty glass float
1353	-20° – 130° F	Thermometer, includes S.G. correction factor table



Thermometer with specific gravity correction factor table



MANUAL HYDROMETER