

Weems & Plath®

Manufacturer of Fine Nautical Instruments

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Weems & Plath Introduces the Galileo Glass, a Distinctive Thermometer

This unique and beautifully crafted thermometer has scientific roots that go back to the 16th century. The Italian scientist, Galileo, discovered that the volume of a liquid changes with the change of temperature. This principle is what is used in the Galileo Glass. With the buoyancy of four glass balls in the vessel dependent on the density of the displaced amount of water, the uplift of the liquid on the balls will reduce with rising temperature. Volume expansion causes the density of the liquid to decrease, whereas the volume of the four glass balls will not change appreciably. Each ball differs in mass by a few milligrams. The heaviest ball will sink first indicating the lowest temperature. The three lighter balls show higher temperatures. They are marked in Fahrenheit at 64 degrees, 68 degrees, 72 degrees and 76 degrees. At 66 degrees precisely, the 64 degree ball floats. When 66 degrees is exceeded, the 64 degree ball will sink and the 68 degree ball will float. When the temperature increases above 70 degrees the 68 degree ball will sink, bringing up the 72 degree ball. In short, the temperature is read by looking at the lowest of the topmost balls.

The sealed glass chamber that holds the liquid and glass balls is encapsulated in a brass cylinder which can be displayed free standing or wall mounted using a mounting bracket that can be purchased separately. The Galileo Glass is available in three finishes: lacquered brass, chrome plated and matte-chrome. This distinctive thermometer is a perfect partner to the Weems & Plath Stormglass barometer in size and finish.

Item # ES 550601/02/03 Galileo Glass has a Suggested Retail Price of \$150.00

Dimensions: 1.65" x 5.75"

Weight: 15.07 oz