



BREWER'S ELITE

Premium Homebrewing Kit

Brewer's Elite Proof and Tralle Hydrometer

The Brewer's Elite Proof and Tralle HYDROMETER for SPIRITS & LIQUORS, will allow you to measure the content of Alcohol in fermented spirits. The Proof & Tralle hydrometer should only be used for higher proof spirits and not low proof alcohol beverages like wine or beer. This hydrometer is not to be used to test a spirit that has residual sugars; like cordials, liqueurs and liquors with flavorings, like honey bourbon. The residual sugars in these liquids create buoyancy that cause the hydrometer to float and skew the readings. Use the Proof & Tralle hydrometer for your clear and brown liquors and of course, for moonshine!

Please note: This hydrometer is calibrated to give correct readings at 60 °F. When the liquid temperature is more or less than 60°F, an adjustment to the scale proof reading is required to determine the actual proof by using the table included overleaf.

How to take a Hydrometer reading using a Proof and Tralle Hydrometer:

1. Sanitize all equipment that will come in contact with your spirit.
2. Draw off a sample of the liquid into a 250ml hydrometer test jar, filling the jar about ¾ full.
3. Always holding at the top of the stem, gently lower the hydrometer into your solution until it floats freely. Press down briefly, and release.
4. Spin the hydrometer to remove any bubbles that might be clinging to it, as if this is not done a false reading may be obtained.
5. Once the hydrometer has stopped moving and is also not in contact with the sides of the test jar look to see where the liquid crosses the markings.
6. Take the reading by viewing the scale through the liquid and adjust your line of sight to the horizontal plane of the liquid surface.
7. Adjust reading according to the temperature of the liquid.

Proof = 2 x Tralle (Alcohol by Volume %)

Example 1:

Proof reading = 70; Temperature = 60°F
So ABV (%) (Tralle) = $70 / 2 = 35\%$ ABV

The hydrometer is designed for accurate proof readings at 60°F. When the liquid temperature is more than 60°F, an adjustment, using the table overleaf, to the scale proof reading is required to determine the actual proof.

Example 2:

Proof reading = 86; Temperature = 75°F
Adjust for temp. by subtracting 6 from proof reading: $86 - 6 = 80$
So ABV (%) (Tralle) = $80 / 2 = 40\%$ ABV

! DO NOT BOIL!
! HANDLE WITH CARE!

How to Read a Hydrometer:

