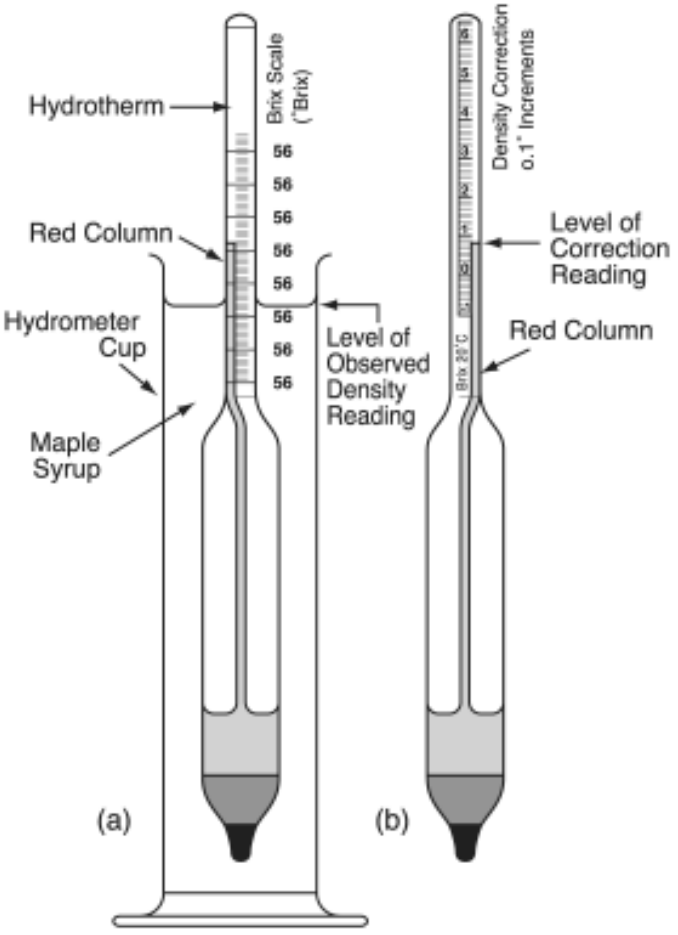
HOW TO USE A HYDROTHERM

The hydrotherm is an instrument that combines the hydrometer and the thermometer into one measuring unit. The actual density of the syrup being measured can be determined directly by reading the two scales on the stem: (a) the Brix scale in 0.2°Brix markings; and (b) the density correction scale in 0.1° markings. Many hydrotherms do not have a numerical scale on them, and some do not have a separate correction scale.

USING THE HYDROTHERM

The clean, dry hydrotherm is gently lowered into the syrup in the cup. The observed density is read from the Brix scale on the hydrotherm's stem at the flotation level, for example (65.8°Brix). The Density Correction is read at the top of the red column on the Density Correction Scale on the reverse side of the stem, for example +0.8 (Figure 4b). The true density reading of this syrup sample being tested is, therefore, 65.8 + 0.8 = 66.6°Brix.



When instruments are not in use:

Keep the hydrotherm in an upright position to prevent the red column from separating, when not in use.