

025-0933
054-2746

HYDROMETER FOR SAP

Measuring sugar levels

BMR GROUP

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Features

Code	025-0933	Code	054-2749
Brix	0 to 15 °Brix	Brix	10 to 25 °Brix

Using, reading and interpreting a hydrometer

A sap hydrometer can be used at any temperature, with sap having the same density at any temperature. There are different models of sap hydrometers with different scales when you measure sap or concentrate and depending on the degree of accuracy required. You read a sap hydrometer the same way you would read a maple syrup hydrometer. Note: Keep the hydrometer in an upright position to prevent separation of the red dye, when it is not in use.

To take measurements

- **Take a sample of the solution to fill the cup** and place it on a horizontal and stable surface to minimize the risk of reading error. **Do not fill the cup with the hydrometer inside** because if water or concentrate flows down the stem, it will affect the result.
- **Use a well cleaned hydrometer.** Residues on the hydrometer may add weight to it, which would further sink into the solution and underestimate the concentration.
- Gently lower the hydrometer into the solution to avoid covering the aerial part of the syrup, increases its weight and overestimates the concentration. **The hydrometer is a very fragile instrument. NEVER drop the hydrometer into the cup as it may burst.**
- The hydrometer should be left to stand for approximately 30 seconds for it to stabilize.

Reading and interpreting a measurement

- For reading, always make sure that the eye is at the height of the surface of the liquid and must be made at the base of the meniscus formed by sap or the concentrate around the hydrometer, see Diagram 1.

Source : "La calibration du sirop d'érable", Info-Sirop de la FPAQ, Avril 2018 : pages 12-14
 Source : "Comment utiliser un densimètre", Les Équipements d'érablière CDL 2017 : pages 1-3
 Source : "Les instruments de mesure dans la production de sirop d'érable", Donald Lemelin, 2011 : pages 15-21

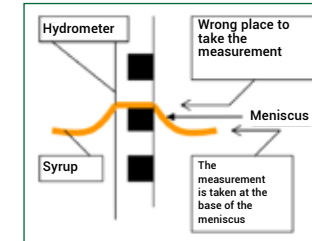


Diagram 1 : illustration of the measurement under the meniscus



Complementary products



Test cup
8 in
025-0818



Test cup
10 in
079-0769