

MILWAUKEE DIGITAL REFRACTOMETER



The MA871 is an optical instrument that employs the measurement of refractive index to determine the % Brix of sugar in aqueous solutions. The method is both simple and quick. Samples are measured after a simple user calibration with deionized or distilled water. Within seconds the instrument measures the refractive index of the sample and converts it to % Brix concentration units. The MA871 digital refractometer eliminates the uncertainty associated with mechanical refractometers.

SPECIFICATIONS

Range 0 to 85% Brix 0 to 80 °C (32 to 175 °F)

Resolution 0.1% Brix 0.1 °C (0.1 °F)

Accuracy $\pm 0.2\%$ Brix ± 0.3 °C (± 0.5 °F)

Light Source Yellow LED

Measurement Time Approximately 1.5 seconds

Minimum Sample Volume 100 μ L (cover prism totally)

Sample Cell SS ring and flint glass prism

Temperature Compensation Automatic between 10 and 40 °C (50 to 104 °F)

Case Material ABS

Enclosure Rating IP 65

Battery Type/Life 1 x 9 volt AA batteries / 5000 readings

Auto-Shut off After 3 minutes of non-use

Dimensions 19.2 x 10.2 x 6.7 cm (7.5 x 4 x 2.6")

Weight 420 g (14.8 oz.).

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