

MA883



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°Baumé Digital Refractometer for Wine and Grape Product Measurements

Rating: Not Rated Yet

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Description

MA883 Digital Refractometer for Wine and Grape Product Measurements

MA883 measures °Baumé. The MA883 is optical instrument that is based on the measurement of the refractive index of a solution. The measurement of refractive index is simple and quick and provides the vintner an accepted method for sugar content analysis. Samples are measured after a simple user calibration with deionized or distilled water. Within seconds the instrument measures the refractive index of the grape. This digital refractometer eliminates the uncertainty associated with mechanical refractometers and is easily

portable for measurements in the field.

The instrument utilizes internationally recognized references for unit conversion and temperature compensation.

Temperature (in °C or °F) is displayed simultaneously with the measurement on the large dual level display along with icons for Low Power and other helpful message codes.

Key features include:

- Dual-level LCD
- Automatic Temperature Compensation (ATC)
- Easy setup and storage
- Battery operation with Low Power indicator
- Automatically turns off after 3 minutes of non-use
- Single-point calibration with distilled or deionized water
- Quick, precise results readings are displayed in approximately 1.5 seconds
- Small sample size as small as 2 metric drops

Specification	MA883
Range	0 to 28 °Baumé 0 to 80°C / 32 to 176°F
Resolution	0.1 °Baumé 0.1°C / 0.1°F
Accuracy	±0.1 °Baumé ±0.3°C / ±0.5°F
Light Source	yellow LED
Measurements Time	approximately 1.5 seconds
Minimum Sample Volume	100 µL (cover prism totally)
Sample Cell	SS ring and flint glass prism
Temperature Compensation	automatic between 10 and 40°C
Case Material	ABS
Battery Type	1 x 9V AA (included)
Battery Life	5000 reading
Auto-shut off	after 3 minutes of non-use
Packaging dimensions / weight	268 x 122 x 118 mm / 660 g

Accessories:

- **MA752** Hard carrying case for digital refractometers

Ordering information:

MA883 instrument is supplied with:

- 9 V battery;
- Instruction manual.