

# Metrology / Lamps

## Digital mini benchtop refractometers

The MA885 measures the density of grape juice in the °Brix, °Oechsle and °KMW units. The MA885 function is based on measurement of the refractive index of a solution. Measurement of the refractive index is both simple and speedy. It provides the vintner with an accepted method for recording the sugar content of grape juice. Calibration is realised easily with deionised or distilled water. In addition to eliminating measurement uncertainties that are peculiar to optical refractometers, the digital refractometer is also light and easy to transport, making it suitable for use in the field. The device uses internationally recognised unit conversions and compensates for temperature during operation. In addition to a battery status indicator and other helpful symbols, the temperature is simultaneously shown as a measurement value on the display.

### Features

- ▶ Double LCD
- ▶ Automatic temperature compensation
- ▶ Uncomplicated commissioning and storage
- ▶ Battery operation with low power display
- ▶ Automatic deactivation after 3 min. inactivity
- ▶ Single-point calibration with distilled or deionised water
- ▶ IP65 protection rating (resistant to water spray)
- ▶ Reliable measurement values after approx. 1.5 seconds

Designation	Dimensions [mm]	Weight [g]	Order no.	Unit price/€
MA885	192 x 102 x 67mm	420	206.6300	

Technical data			
Measuring range *)	0-230°Oe/50%Brix/42°KMW	Enclosure material	ABS
Resolution	1°Oe/0.1%Brix/0.1°KMW	Protection rating	IP65
Accuracy	+/- 1°Oe/0.2%Brix/0.2°KMW	Battery	1 x 9V AA (included)
Light source	Yellow LED	Battery service life	Approx. 5000 measurements
Measurement time	Approx. 1.5 sec.	Autom. deactivation	After 3 min. inactivity
Min. sample volume	100 µl	Dimensions	192 x 102 x 67 mm
Temperature compensation	Automatic from 10 °C to 40 °C	Weight	420g

\*) Other units on request

