PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN ORL 94LM

Digital refractometer with pre-installed scales for refractive index measurements and the food application area

ENGLISH



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FEATURES

- Practical application set
- In addition to the standard Brix and refractive index scales, eight further scales are pre-installed specifically for food applications. This allows you to conveniently carry out various measurements, e.g. of sugar types or salt content, with just one device. You can easily change the scale by pressing a button.
- The following scales are already pre-installed:
  - Brix
  - Refractive index
  - Fructose (fruitsugar)
  - Glucose (grape sugar)
  - Lactose (milk sugar)
  - Maltose (malt sugar)
  - Dextran
  - Salt content (NaCl) %
  - Salt content (NaCl) ‰
  - Salt content (specific gravity)
- NEW: The free OXR-BASIC software for performing measurements and for saving and exporting measurement results is available for download
- The KERN ORL 94LM is a accurate, universal and maintenance-free digital desktop refractometer
- Other key features are the extra-large measuring range and a high degree of accuracy
- With their handy design, they are ideal for convenient and rapid everyday use
- The large, easy-to-read display with integrated temperature display supports the user to reliably determine the measurement
- The integrated automatic temperature compensation (ATC), avoids the manual conversion of the measurement. This allows a quick and efficient usage of the instrument
- A quick and user-friendly calibration of the refractometer is possible at any time using commercially available distilled water
- Mean value measurements possible
- Scope of delivery:
  - Pipette
  - Storage case
  - USB cable
  - Power adapter
  - Screwdriver
  - Operating instructions

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MAIN SCOPE OF APPLICATIONS

- Food industry
- Food production
- Food analysis

TECHNICAL DATA

- Measurement temperature range: 0 °C – 40 °C
- ATC (Automatic temperature compensation)
- Minimum sample volume: 0,3 – 0,4 ml
- Mean value measurement (15 measurements)
- Power supply: USB connection, alternative 1× accu 3,7 V 300 mA (not included in delivery)
- Automatic energy management (AUTO-OFF after 3 min)
- Overall dimensions W×D×H 180×100×55 mm
- Net weight approx. 0,40 kg

PICTOGRAMS

Standard



Option



ACCESSORIES

Model	Description
ORA-A1010	Calibration liquid ORA-A1010 (distilled water, 3 ml, 5 pieces)
ORL-A2007	Special Rechargeable Battery ORL-A2007

SOFTWARE

Model	Description
OXR 903	KERN refractometer OXR 903

KERN Pictogram Overview

	Automatic temperature compensation (ATC): For measurements between 10 °C and 30 °C
	Data Interface USB: For connection to printers, PCs or other peripheral devices
	Plug-in power supply: 230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available
	Package shipment by courier service: The duration of internal product provision are two days
	Rechargeable battery pack: Rechargeable set
	Factory calibration for refractometers: The refraction index standard can be reverted back to SRM from NIST and PTB

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