PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN ORL 94IN

Digital refractometer with pre-installed scales for refractive index measurements and industrial/automotive applications

ENGLISH



CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

+49 7433 9933-0
info@kern-sohn.com
www.kern-sohn.com







FEATURES

- Practical application set
- In addition to the standard Brix and refractive index scales, six further scales are pre-installed specifically for industrial/ vehicle applications. This allows you to conveniently carry out various measurements, e.g. on battery fluid or wiper fluid, with just one device. You can easily change the scale by pressing a button.
- The following scales are already pre-installed:
  - Brix
  - Refractive index
  - Windshield washer fluid
  - Battery fluid
  - Ethylene glycol (%)
  - Ethylene glycol (°C) according to ASHRAE standard
  - Propylene glycol (%)
  - Propylene glycol (°C) according to ASHRAE standard
- NEW: The free OXR-BASIC software for performing measurements and for saving and exporting measurement results is available for download
- The KERN ORL 94IN 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

- Industrial quality assurance (final visual inspection in production, documentation of product defects)
- Process monitoring
- Goods inwards inspection

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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