PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

30.10.2026

KERN ORA 1RE

Refractive index measurement for laboratories and the industry

ENGLISH

CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

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

ENGLISH

FEATURES

- The models in the KERN ORA-E range are universal, maintenance-free analogue manual refractometers
- The handy and robust design allows the easy, efficient and sustainable use in everyday life
- These scales are especailly developed, exactly calculated and checked. They are also characterized by their thin and clear lines.
- The optical system and the prism cover are made of special material which allows a low-tolerance measuring.
- All models are fitted with an eyepiece which can be adjusted easily and smoothly to different visual capacities
- Included with the delivery:
  - Storage box
  - Calibration solution
  - Pipette
  - Screwdriver
  - Cleaning cloth
- Further accessories are available optionally.
- Due to a large divided scale this model has a specially large measuring range for the measurement of the refractive index.

MAIN SCOPE OF APPLICATIONS

- Universal application, especially when extra large measuring ranges are required

TECHNICAL DATA

- Die-cast housing of copper-aluminium alloy, chrome coated
- Measurement temperature 10 °C
- Dimensions of the box W×D×H 215×190×55 mm
- Overall dimensions W×D×H 200×40×40 mm
- Net weight approx. 0,95 kg

PICTOGRAMS

Standard | Option

ACCESSORIES

Model	Description
OCS-A1101	Cleaning liquid OCS-A1101
OCS 901	Cleaning set for microscopes OCS 901
ORA-A1010	Calibration liquid ORA-A1010 (distilled water, 3 ml, 5 pieces)
ORA-A2103	Leather cover ORA-A2103

KERN Pictogram Overview

Package shipment by courier service: The duration of internal product provision is one day

Factory calibration for refractometers: The refraction index standard can be reverted back to SRM from NIST and PTB