PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

31.10.2026

KERN ORA 80BB

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-B 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.
- NEW: With engraved serial number
- 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.
- This model is particularly suitable for measuring the Brix value. These mean that you can determine the sugar content in foods, primarily in fruit, vegetables, juice and drinks which contain sugar. This refractometer also is ideal for the monitoring of processes in industry (coolant monitoring, oils and fats).

MAIN SCOPE OF APPLICATIONS

- Industry: Monitoring of lubricants for process and quality control
- Food industry: Beverages, fruit and sweets
- Agriculture: Determination of the degree of ripeness of fruits for quality control in harvesting
- Restaurants and large-scale catering establishments

TECHNICAL DATA

- Die-cast housing of copper-aluminium alloy, chrome coated
- Measurement temperature 10 °C
- Dimensions of the box W×D×H 205×75×55 mm
- Overall dimensions W×D×H 137×40×40 mm
- Net weight approx. 0,25 kg

PICTOGRAMS

Standard | Option





ACCESSORIES

Model	Description
OCS-A1101	Cleaning liquid OCS-A1101
ORA-A1010	Calibration liquid ORA-A1010 (distilled water, 3 ml, 5 pieces)
ORA-A1101	Prismatic flap ORA-A1101
ORA-A2103	Leather cover ORA-A2103

ENGLISH

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

ENGLISH