PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

30.10.2026

KERN ORA 1SB

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-S range are universal, maintenance-free analogue manual refractometers
- The handy and robust design allows the easy, efficient and sustainable use in everyday life
- Manually calculated conversions and errors of the user are avoided by multiple selectable scales.
- 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.
- This model is particularly suitable for the measurement and concentration controlof the mass fraction of natrium chloride in water. This is often used in the preparation and the cooking of sauces, bases for pastries, theproduction of brines (e.g. for white cheese) and the preparation of seafood and marinades formeat.

MAIN SCOPE OF APPLICATIONS

- Food industry
- Restaurants and large-scale catering establishments
- Aquaristic: Fishkeepers/Fishfarmers in sea and sweetwater

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 198×40×40 mm
- Net weight approx. 0,30 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-A1101	Prismatic flap ORA-A1101
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