PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN ORA 4FA

Refractive index measurement for laboratories and the industry

ENGLISH



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FEATURES

- The models in the KERN ORA-F 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.
- NEW: With engraved serial number
- All models are fitted with an eyepiece which can be adjusted easily and smoothly to different visual capacities
- The temperature compensation ("ATC") enables accurate measurement at different ambient temperatures (10 °C to 30 °C)
- Included with the delivery:
  - Storage box
  - Calibration solution
  - Pipette
  - Screwdriver
  - Cleaning cloth
- Further accessories are available optionally.
- This model is particularly suitable for measuring and determining glycol concentration, battery fluid (BF) and measuring the freezing point of screen wash (CW). Furthermore, these models are suitable for measuring temperature-exchange systems.

MAIN SCOPE OF APPLICATIONS

- Automotive industry: Car-workshops and producers
- Chemical industry
- Solar industry: Antifreeze monitoring

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TECHNICAL DATA

- Die-cast housing of copper-aluminium alloy, chrome coated
- Measurement temperature range: 10 °C – 30 °C
- Dimensions of the box W×D×H 205×75×55 mm
- Overall dimensions W×D×H 160×40×40 mm
- Net weight approx. 0,30 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

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KERN Pictogram Overview



Automatic temperature compensation (ATC): For measurements between 10 °C and 30 °C



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