

PRODUCT BROCHURE

OPTICS ORA 1UB

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ENGLISH



Refractive index measurement for laboratories and the industry

CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

Phone : +49 7433 9933-0
Fax : +49 7433 9933-149
Email : info@kern-sohn.com
Web : www.kern-sohn.com



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PRODUCT SHOWCASE



DESCRIPTION

- The models in the KERN ORA-U 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 especially 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 measuring and determining urea.
- Main scope of applications:
 - Chemical industry

SPECIFICATIONS

Article codes, product groups & Status information

| | |
|--------------------|---------|
| Model article-code | ORA 1UB |
| Model-Serie | ORA-U |

| | |
|-----------------------|-------------------------|
| Assortment | Optics |
| Product Type | Refractometers |
| Product group | Analogue refractometers |
| Product usage type | Main article |
| EAN code (Model) | 4045761159884 |
| Successor Model | ORA 1UA-2024a |
| Customs tariff number | 90275000 |
| Country of Origin | CN |

Technical data - Primary

| | |
|-------------|------------|
| Scales | Urea |
| Scale Range | 0 % - 40 % |

Technical data - Construction

| | |
|--------------------|------------------------|
| Type | Handheld refractometer |
| Display scale | Analogue |
| Dimensions (W×D×H) | 160×40×40 mm |

Technical data - Measuring system

| | |
|--------------------|------------------|
| Measuring method | Light refraction |
| Measuring Temp min | 10 °C |
| Measuring Temp max | 30 °C |
| Readout | 0.2 % |

Technical data - Environmental conditions

| | |
|------------------|-------|
| Storage Temp Min | -5 °C |
| Storage Temp Max | 40 °C |

Technical data - Packing & Shipping

| | |
|---|----------------|
| Dimensions packaging (W×D×H) | 215×94×65 mm |
| Gross weight | 0.35 kg |
| Net weight | 0.30 kg |
| Shipping method | Parcel service |
| Packaging component - by weight - paper | 888.76 mg |
| Packaging component - by weight - cardboard | 49.9797 g |
| Packaging component - by weight - plastics | 1.41156 g |
| Packaging component - by weight - styrofoam | 0 g |
| Packaging component - by weight - foam | 0 g |
| Delivery time | 1 d |

Optional Services

| | |
|-----------------|---------|
| ISO Calibration | 961-290 |
|-----------------|---------|

FUNCTIONS

| |
|----------|
| Standard |
|----------|



ACCESSORIES

| Model | Description |
|---------------------------|--|
| ORA-A1101 | Prism cover ORA-A1101 |
| ORA-A2103 | Leather bag ORA-A2103 |
| ORA-A1010 | Liquid KERN ORA-A1010 |
| OCS 901 | Cleaning Sets for Microscopes KERN OCS 901 |
| OCS-A1101 | Cleaning liquid KERN OCS-A1101 |

SERVICES

| Model | Description |
|--------------------------|-----------------------------------|
| 961-290 | Factory calibration KERN 961-290 |
| 961-290R | Factory calibration KERN 961-290R |

SPARE PARTS

| Model | Description |
|---------------------------|-------------------------------|
| ORA-A1001 | Liquid KERN ORA-A1001 |
| ORA-A2001 | Prismatic flap ORA-A2001 |
| ORA-A2002 | Cover ORA-A2002 |
| ORA-A2003 | Eyepiece - rubber ORA-A2003 |
| ORA-A2004 | Rubber grip (40 mm) ORA-A2004 |
| ORA-A2101 | Refractometer box ORA-A2101 |
| ORA-A2105 | Single shipping box ORA-A2105 |
| ORA-A2010 | Pipette ORA-A2010 |