

## PRODUCT BROCHURE

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# OPTICS ORA 1UA

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ENGLISH



Refractive index measurement for laboratories and the industry

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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.
- 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 urea.

## SPECIFICATIONS

### Article codes, product groups & Status information

Model article-code	ORA 1UA
Model-Serie	ORA-U
Assortment	Optics
Product Type	Refractometers
Product group	Analogue refractometers
Product usage type	Main article
EAN code (Model)	4045761483019
Predecessor Model	ORA 1UA-2024a
Customs tariff number	90275000
Country of Origin	CN

### Technical data - Primary

Scales	Urea
Scale Range	0 % - 40 %
ATC	yes

### 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 - cardboard	26.14 g
Packaging component - by weight - plastics	26.14 g
Delivery time	1 d

### Optional Services

ISO Calibration	961-290
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## FUNCTIONS

Standard
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Option
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## ACCESSORIES

Model	Description
<a href="#">ORA-A1101</a>	Prism cover ORA-A1101
<a href="#">ORA-A2103</a>	Leather bag ORA-A2103
<a href="#">ORA-A1010</a>	Liquid KERN ORA-A1010
<a href="#">OCS-A1101</a>	Cleaning liquid KERN OCS-A1101

## SERVICES

Model	Description
<a href="#">961-290</a>	Factory calibration KERN 961-290
<a href="#">961-290R</a>	Factory calibration KERN 961-290R

## SPARE PARTS

Model	Description
<a href="#">ORA-A1001</a>	Liquid KERN ORA-A1001
<a href="#">ORA-A2001</a>	Prismatic flap ORA-A2001
<a href="#">ORA-A2002</a>	Cover ORA-A2002
<a href="#">ORA-A2003</a>	Eyepiece - rubber ORA-A2003
<a href="#">ORA-A2004</a>	Rubber grip (40 mm) ORA-A2004
<a href="#">ORA-A2101</a>	Refractometer box ORA-A2101
<a href="#">ORA-A2105</a>	Single shipping box ORA-A2105
<a href="#">ORA-A2010</a>	Pipette ORA-A2010

## RELATED ARTICLES DATA

Model name	Scales	Scale Range	ATC
<a href="#">ORA 4FB</a>	EG PG CW BF	-50 °C - 0 °C -50 °C - 0 °C -40 °C - 0 °C 1,10 kg/l - 1,40 kg/l	-
<a href="#">ORA 1UB</a>	Urea	0 % - 40 %	-
<a href="#">ORA 1UA</a>	Urea	0 % - 40 %	yes
<a href="#">ORA 4FA</a>	EG PG CW BF	-50 °C - 0 °C -50 °C - 0 °C -40 °C - 0 °C 1,10 kg/l - 1,40 kg/l	yes

Model name	Scales	Scale Range	ATC
<u>ORA 4UA</u>	EG PG CW BF Urea	-50 °C - 0 °C -50 °C - 0 °C -40 °C - 0 °C 1,10 kg/l - 1,40 kg/l 30 % - 35 %	yes