

PRODUCT BROCHURE

OPTICS ORA 32BA

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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-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 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
- 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 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, fruits and sweets
 - Agriculture: Determination of the degree of ripeness of fruits for quality control in harvesting
 - Restaurants and large-scale catering establishment

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	ORA 32BA
Model-Serie	ORA-B
Assortment	Optics
Product Type	Refractometers
Product group	Analogue refractometers
Product usage type	Main article
EAN code (Model)	4045761159105
Predecessor Model	ORA 32BB
Successor Model	ORA 32BA-2025e
Customs tariff number	90275000

Technical data - Primary

Scales	Brix
Scale Range	0 % - 32 %
ATC	yes

Technical data - Construction

Type	Handheld refractometer
Display scale	Analogue
Dimensions (W×D×H)	178×40×40 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
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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
970-011	Warranty extension KERN (+3 years) 970-011

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-A2006	Rubber grip (53 mm) ORA-A2006
ORA-A2101	Refractometer box ORA-A2101
ORA-A2105	Single shipping box ORA-A2105
ORA-A2010	Pipette ORA-A2010

RELATED ARTICLES DATA

Model name	Scales	Scale Range	ATC
ORA 62BB	Brix	28 % - 62 %	-
ORA 82BB	Brix	45 % - 82 %	-
ORA 32BA	Brix	0 % - 32 %	yes
ORA 10BA	Brix	0 % - 10 %	yes
ORA 20BA	Brix	0 % - 20 %	yes
ORA 62BA	Brix	28 % - 62 %	yes

Model name	Scales	Scale Range	ATC
ORA 80BB	Brix	0 % - 80 %	-