

# KERN ORA 1AB

# KERN

Refractive index measurement for laboratories and the industry



Material prism

ZLaF3 lanthanum flint  
glass  $n_d = 1.85544$

## Functions

IP protection - complete device

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## Environmental conditions

Storage temperature [Min]

-5 °C

Storage temperature [Max]

40 °C

## Packing & Shipping

Dimensions transport container  
(W×D×H)

205×75×55 mm

Readability force [d] (N)

1 d

Dimensions packaging (W×D×H)

215×94×65 mm

Net weight

0,26772 kg

Shipping method

Parcel service

Net weight approx.

0,30 kg

Gross weight approx.

0,35 kg

Shipping weight

0,32 kg

## Services (optional)

Article number for factory  
calibration

961-290

## Pictograms

### STANDARD



## Category

Brand	Optics
Product category	Refractometer
Product group	Analogue refractometer
Product family	ORA-AL

## Measuring System

Measuring method	Light refraction
Area of application	Alcohol
Percentage by volume	0-50%(v/v) @ 1%(v/v) 50-80%(v/v) @ 2,5%(v/v)
Appropriate calibration liquid	0 % (distilled water)
Measurement temperature [Min] (°C)	10 °C
Measurement temperature [Max] (°C)	30 °C
Scale volume percentage	✓
Readout volume percentage	1 % (v/v)
Measuring range volume percentage [Min]	0 % (v/v)
Measuring range volume percentage [Max]	50 % (v/v)
Readout volume percentage I	2,5 % (v/v)
Measuring range volume percentage I [Min]	50 % (v/v)
Measuring range volume percentage I [Max]	80 % (v/v)

## Construction

Dimension (W×D×H)	198×40×40 mm
Refractometer type	Handheld refractometer
Scale - Display type	Analogue