KERN **ORA 1AB**

Refractive index measurement for laboratories and the industry

Date of creation: 14.11.2026

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

Measuring System	
Percentage by volume	0-60%(v/v) @ 1%(v/v) 60-80%(v/v) @ 2,5%(v/v)
Scales	Volume percent
Measurement temperature [Max] (°C)	30 °C
Measurement temperature [Min] (°C)	10 °C
Readabilites [d]	1 %(v/v) 2,5 %(v/v)
Measuring range volume percentage I [Max]	80 % (v/v)
Readout volume percentage I	2,5 % (v/v)
Appropriate calibration liquid	0 % (distilled water)
Measuring range volume percentage I [Min]	60 % (v/v)
Measuring method	Light refraction
Scale volume percentage	✓
Measuring range volume percentage [Min]	0 % (v/v)
Measuring range volume percentage [Max]	60 % (v/v)
Readout volume percentage	1 % (v/v)
Measuring ranges	0 %(v/v) - 60 %(v/v) 60 %(v/v) - 80 %(v/v)
Area of application	Alcohol

Construction	
Dimension (W×D×H)	198×40×40 mm
Refractometer type	Handheld refractometer
Scale - Display type	Analogue
Material prism	ZLaF3 lanthanum flint glass nd=1.85544

Functions	
IP protection - complete device	-

Environmental conditions	
Storage temperature [Min]	-5 °C
Storage temperature [Max]	40 °C

Services (optional)	
Article number for factory calibration	961-290

Packing & Shipping	
Dimensions transport container (W×D×H)	205×75×55 mm
Delivery time	1 d
Dimensions packaging (W×D×H)	215×94×65 mm
Shipping method	Parcel service
Net weight approx.	0,30 kg
Gross weight approx.	0,45 kg
Shipping weight	0,406 kg
Shipping volume weight	0,3 kg

Product information	
GTIN/EAN number	4045761482999
Trade number	90275000
Warranty Time	24 mon
REACH classification	no prohibited substances

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Pictograms

STANDARD

OPTION