KERN **ORA 1AB**

Refractive index measurement for laboratories and the industry



Category

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

Measuring System

Percentage by volume	0-50%(v/v) @ 1%(v/v) 50-80%(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]	50 % (v/v)
Measuring method	Light refraction
Scale volume percentage	✓
Measuring range volume percentage [Min]	0 % (v/v)
Measuring range volume percentage [Max]	50 % (v/v)
Readout volume percentage	1 % (v/v)
Measuring ranges	0 %(v/v) - 50 %(v/v) 50 %(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.	0,35 kg
Shipping weight	0,32 kg
Shipping volume weight	0,3 kg

Product information

GTIN/EAN number	4045761209008
Trade number	90275000
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

