

KERN ORA 1RE

KERN

Refractive index measurement for laboratories and the industry



Construction

Dimension (W×D×H)	200×40×40 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

Packing & Shipping

Dimensions transport container (W×D×H)	215×190×55 mm
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	230×200×65 mm
Net weight	0,91735 kg
Shipping method	Parcel service
Net weight approx.	0,95 kg
Gross weight approx.	1,2 kg
Shipping weight	1,01 kg

Services (optional)

Article number for factory calibration	961-290
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Pictograms

STANDARD



Category

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

Measuring System

Measuring method	Light refraction Total reflection
Area of application	Expert applications
Appropriate calibration liquid	0 % (distilled water)
Measurement temperature [Min] (°C)	10 °C
Measurement temperature [Max] (°C)	30 °C
Scale for Refractive index	✓
Readout refractive index	0,005 nD
Measuring range refractive index [Min]	1,333 nD
Measuring range refractive index [Max]	1,405 nD
Readout refractive index II	0,005 nD
Measuring range refractive index II [Min]	1,405 nD
Measuring range refractive index II [Max]	1,468 nD
Readout refractive index III	0,005 nD
Measuring range refractive index III [Min]	1,468 nD
Measuring range refractive index III [Max]	1,517 nD