

KERN ORA 1RE

Refractive index measurement for laboratories and the industry

KERN



Measuring range refractive index III [Min] 1,468 nD

Measuring range refractive index III [Max] 1,517 nD

Readout refractive index III 0,005 nD

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

Services (optional)

Article number for factory calibration 961-290

Packing & Shipping

Dimensions transport container (W×D×H) 215×190×55 mm

Delivery time 1 d

Dimensions packaging (W×D×H) 230×200×65 mm

Shipping method Parcel service

Net weight approx. 0,95 kg

Gross weight approx. 1,2 kg

Shipping weight 1,01 kg

Pictograms

STANDARD



Category

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

Measuring System

Area of application Expert applications

Measuring method Light refraction
Total reflection

Scales Refractive index

Measuring ranges 1,333 nD - 1,405 nD

1,405 nD - 1,468 nD

1,468 nD - 1,517 nD

Readabilities [d] 0,005 nD

0,005 nD

0,005 nD

Appropriate calibration liquid 0 % (distilled water)

Measurement temperature [Min] (°C) 10 °C

Measurement temperature [Max] (°C) 30 °C

Scale for Refractive index ✓

Measuring range refractive index [Min] 1,333 nD

Measuring range refractive index [Max] 1,405 nD

Readout refractive index 0,005 nD

Measuring range refractive index II [Min] 1,405 nD

Measuring range refractive index II [Max] 1,468 nD

Readout refractive index II 0,005 nD