KERN **ORA 4RR**

Refractive index measurement for laboratories and the industry



Date of creation: 24.10.2026

Category

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

Measuring System

Scales	Refractive index
Measurement temperature [Max] (°C)	30 °C
Measurement temperature [Min] (°C)	10 °C
Readabilites [d]	0,001 nD
Appropriate calibration liquid	78,8 % (clove oil)
Calibration block required	✓
Measuring method	Light refraction
Measuring range refractive index [Min]	1,440 nD
Measuring range refractive index [Max]	1,520 nD
Readout refractive index	0,001 nD
Scale for Refractive index	✓
Measuring ranges	1,440 nD - 1,520 nD
Area of application	Expert applications

Construction

Dimension (W×D×H)	137×40×40 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.	0,25 kg
Gross weight approx.	0,30 kg
Shipping weight	0,3 kg
Shipping volume weight	0,3 kg

Product information

GTIN/EAN number	4045761483484
Trade number	90275000
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

