KERN **ORA 1GG**

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-G

Measuring System

Scales	Refractive index
Measurement temperature [Max] (°C)	30 °C
Measurement temperature [Min] (°C)	10 °C
Readabilites [d]	0,01 nD
Appropriate calibration liquid	Methylene iodide
Calibration block required	✓
Measuring method	Total reflection
Measuring range refractive index [Min]	1,30 nD
Measuring range refractive index [Max]	1,81 nD
Readout refractive index	0,01 nD
Accuracy refractive index	± 0,005 nD
Scale for Refractive index	✓
Measuring ranges	1,30 nD - 1,81 nD
Area of application	Gemmology/Jewellery

Construction

Dimension (W×D×H)	137×70×32 mm
Contrasting methods	Polarisation
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
Delivery time	1 d
Dimensions packaging (W×D×H)	230×200×65 mm
Shipping method	Parcel service
Net weight approx.	0,75 kg
Gross weight approx.	0,85 kg
Shipping weight	0,81 kg
Shipping volume weight	0,6 kg

Product information

GTIN/EAN number	4045761159891
Trade number	90275000
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD

