KERN **ORA 90BE**

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	Brix
Measurement temperature [Max] (°C)	30 °C
Measurement temperature [Min] (°C)	10 °C
Readabilites [d]	0,2 % 0,2 % 0,2 %
Appropriate calibration liquid	0 % (distilled water)
Measuring method	Light refraction Total reflection
Measuring range Brix II [Min]	42 %
Measuring range Brix II [Max]	71 %
Readout Brix II	0,2 %
Measuring range Brix III [Min]	71 %
Measuring range Brix III [Max]	90 %
Readout Brix III	0,2 %
Measuring ranges	0 % - 42 % 42 % - 71 % 71 % - 90 %
Area of application	Expert applications
Readout Brix	0,2 %
Measuring range Brix [Min]	0 %
Measuring range Brix [Max]	42 %
Brix scale	✓

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
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
Shipping volume weight	0,6 kg

Product information

GTIN/EAN number	4045761160156
Trade number	90275000
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

