

KERN ORT 1RS

KERN

Measurement of refraction index for chemists, laboratories and industry



Category

Brand	Optics
Product category	Refractometer
Product group	Abbe refractometer
Product family	ORT-1

Measuring System

Measurement temperature [Min] (°C)	20 °C
Measurement temperature [Max] (°C)	20 °C
Precision	0,0002 nD 0,1 %
Calibration block required	✓
Measuring method	Light refraction Total reflection
Measuring range Brix [Min]	0 %
Scales	Refractive index Brix
Measuring ranges	1,3000 nD - 1,7000 nD 0 % - 95 %
Readabilities [d]	0,0005 nD 0,25 %
Readout Brix	0,25 %
Accuracy Brix	±0,1 %
Measuring range refractive index [Min]	1,3000 nD
Measuring range refractive index [Max]	1,7000 nD
Readout refractive index	0,0005 nD
Accuracy refractive index	±0,0002 nD
Scale for Refractive index	✓
Appropriate calibration liquid	Alpha-bromonaphthalene

Measuring range Brix [Max]	95 %
Brix scale	✓
Area of application	Basic measurements for Brix and refractive index

Construction

Dimension (W×D×H)	180×90×240 mm
Refractometer type	Desktop refractometer
Scale - Display type	Analogue

Power Supply

Supplied power supply	Battery
Power supply cable removable	removable
Battery / accumulator type	Alkali(-Manganese)
Battery	1×LR44
Battery voltage	1,5 V
Battery - Individual weight	1 g
Battery/Accu connected	fixed electrical connection, not insulated

Environmental conditions

Storage temperature [Min]	-5 °C
Storage temperature [Max]	40 °C

Approval

CE mark	✓
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Services (optional)

Article number for factory calibration	961-290
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Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	380×265×160 mm
Shipping method	Parcel service
Net weight approx.	1,8 kg
Gross weight approx.	2,4 kg
Shipping weight	3,2 kg

Product information

GTIN/EAN number	4045761476240
Trade number	90275000
REACH classification	no prohibited substances

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Pictograms

STANDARD





WolfLabs

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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.