

KERN ORM 2SU

Digital measurement of refraction index for universal application



Category

Brand	Optics
Product category	Refractometer
Product group	Digital refractometer
Product family	ORM-SU

Measuring System

Measurement temperature [Min] (°C)	0 °C
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Measurement temperature [Max] (°C)	40 °C
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Precision	0,2 %
	0,2 %
	0,2 %
	0,2 %

Measuring method	Total reflection
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Measuring range Brix [Min]	0 %
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Scales	Brix
	Laktose (Milchzucker)
	Maltose (Malzzucker)
	Dextran

Measuring ranges	0,0 % - 50,0 %
	0,0 % - 16,5 %
	0,0 % - 15,6 %
	0,0 % - 10,6 %

Readabilites [d]	0,1 %
	0,1 %
	0,1 %
	0,1 %

Readout Brix	0,1 %
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Automatic temperature compensation (ATC)	✓
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Accuracy Brix	±0,2 %
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Measuring range dextran [Min]	0 %
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Measuring range dextran [Max]	11 %
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Readout dextran	0,1 %
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Accuracy dextran	±0,2 %
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Scale for dextran	✓
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Measuring range lactose (milk sugar) [Min]	0 %
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Measuring range lactose (milk sugar) [Max]	17 %
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Readout lactose (milk sugar)	0,1 %
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Accuracy lactose (milk sugar)	±0,2 %
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Measuring range maltose (malt sugar) [Min]	0 %
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Measuring range maltose (malt sugar) [Max]	16 %
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Readout maltose (malt sugar)	0,1 %
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Accuracy maltose (malt sugar)	±0,2 %
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Scale lactose (milk sugar)	✓
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Scale maltose (malt sugar)	✓
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Appropriate calibration liquid	0 % (distilled water)
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Measuring range Brix [Max]	50 %
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Brix scale	✓
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Area of application	Sugar
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Construction

Dimension (W×D×H)	121×58×25 mm
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Refractometer type	Handheld refractometer
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Scale - Display type	Digital
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Prism lid	✓
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Material prism	ZLaF3 lanthanum flint glass nd=1.85544
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Functions

Averaging measurement	✓
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Averaging measurement amount	15
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IP protection - complete device	IP65
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Auto-off interval(s) in battery mode/rechargeable battery mode	60 sec
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Power Supply

Supplied power supply	Battery
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Power supply cable removable	removable
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Battery / accumulator type	Alkali(-Manganese)
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Battery connection	Pad + Spring
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Battery capacity	1.300 mAh
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Battery voltage	1,5 V
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Battery - Number of cells	1
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Battery - Individual weight	11,5 g
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Battery - Total weight	11,5 g
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Battery - Construction	Individual cells
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Battery capacity (Wh)	1,95 Wh
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Battery – Lithium content	0 g
Battery/Accu connected	not connected, enclosed

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

Dimensions transport container (W×D×H)	170×110×50 mm
Delivery time	1 d
Dimensions packaging (W×D×H)	170×110×50 mm
Shipping method	Parcel service
Net weight approx.	0,15 kg
Gross weight approx.	0,35 kg
Shipping weight	0,31 kg

Product information

GTIN/EAN number	4045761335608
Trade number	90275000
REACH classification	no prohibited substances

Pictograms

STANDARD

