

KERN ORA 3HA

Refractive index measurement for laboratories and the industry

KERN



Readout Baumé	0,5 °Bé
Scale water content	✓
Measuring range water content [Min]	12 %
Measuring range water content [Max]	27 %
Readout water content	1 %

Construction

Dimension (W×D×H)	160×40×40 mm
Refractometer type	Handheld refractometer
Scale - Display type	Analogue
Material prism	ZLaF3 lanthanum flint glass nd=1.85544

Functions

Automatic temperature compensation	✓
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
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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.	0,30 kg
Gross weight approx.	0,35 kg
Shipping weight	0,305 kg

Pictograms

STANDARD



Category

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

Measuring System

Area of application	Honey
Measuring method	Light refraction
Automatic temperature compensation (ATC)	✓

Scales	Brix Baumé Water content
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Measuring ranges	58 % - 92 % 38 °Bé - 43 °Bé 12 % - 27 %
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Readabilities [d]	0,5 % 0,5 °Bé 1 %
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Appropriate calibration liquid	78,8 % (clove oil)
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Calibration block required	✓
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Measurement temperature [Min] (°C)	10 °C
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Measurement temperature [Max] (°C)	30 °C
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Brix scale	✓
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Measuring range Brix [Min]	58 %
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Measuring range Brix [Max]	92 %
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Readout Brix	0,5 %
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Scale for Baumé	✓
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Measuring range Baumé [Min]	38 °Bé
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Measuring range Baumé [Max]	43 °Bé
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