

# KERN ORM 1WN

# KERN

Digital measurement of refraction index for universal application



## Category

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

## Measuring System

Automatic temperature compensation (ATC)	✓
Measuring method	Total reflection
Area of application	Wine
Percentage by volume	0,0-22,0%(v/v) @ 0,1% (v/v) ± 0,2%(v/v)
Appropriate calibration liquid	0 % (distilled water)
Measurement temperature [Min] (°C)	0 °C
Measurement temperature [Max] (°C)	40 °C
Brix scale	✓
Readout Brix	0,1 %
Measuring range Brix [Min]	0 %
Measuring range Brix [Max]	50 %
Accuracy Brix	±0,2 %
Scale KMW (Babo)	✓
Readout KMW (Babo)	0,1 °KMW
Measuring range KMW (Babo) [Min]	0 °KMW
Measuring range KMW (Babo) [Max]	25 °KMW
Accuracy KMW (Babo)	±0,2 °KMW
Scale Oechsle	✓
Readout Oechsle	1 °Oe
Measuring range Oechsle [Min]	0 °Oe
Measuring range Oechsle [Max]	150 °Oe
Accuracy Oechsle	±2 °Oe

Scale volume percentage	✓
Readout volume percentage	0,1 %
Measuring range volume percentage [Min]	0 %
Measuring range volume percentage [Max]	22 %
Accuracy volume percentage	±0,2 %

## Approval

CE mark	✓
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## Construction

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

## Functions

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

## Power Supply

Supplied power supply	Battery
Battery / accumulator type	Alkali(-Manganese)
Battery connection	Pad + Spring
Battery capacity	1.300 mAh
Battery voltage	1,5 V

## Environmental conditions

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

## Packing & Shipping

Dimensions transport container (W×D×H)	170×110×50 mm
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	170×110×50 mm
Net weight	0,14 kg
Shipping method	Parcel service
Net weight approx.	0,15 kg
Gross weight approx.	0,35 kg
Shipping weight	0,31 kg

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## Services (optional)

Article number for factory calibration	961-290
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## Pictograms

### STANDARD

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