

KERN ORA 1WA

Refractive index measurement for laboratories and the industry

KERN



Category	
Brand	Optics
Product category	Refractometer
Product group	Analogue refractometer
Product family	ORA-W

Measuring System	
Measurement temperature [Min] (°C)	10 °C
Measurement temperature [Max] (°C)	30 °C
Measuring method	Light refraction
Measuring range Brix [Min]	0%
Scales	Brix
	Oechsle
Measuring ranges	KMW (Babo)
	0 % - 32 %
Readabilities [d]	0 °Oe - 140 °Oe
	0 °KMW - 25 °KMW
Readout Brix	0,2 %
	1 °Oe
Automatic temperature compensation (ATC)	0,25 °KMW
	0,2%
Measuring range KMW (Babo) [Min]	0 °KMW
Measuring range KMW (Babo) [Max]	25 °KMW
Readout KMW (Babo)	0,25 °KMW
Scale KMW (Babo)	✓
Measuring range Oechsle [Min]	0 °Oe
Measuring range Oechsle [Max]	140 °Oe
Readout Oechsle	1 °Oe

Scale Oechsle	✓
Appropriate calibration liquid	0 % (distilled water)
Measuring range Brix [Max]	23%
Brix scale	✓
Area of application	Wine

Construction	
Dimension (W×D×H)	178×40×40 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

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.	0,40 kg
Shipping weight	0,398 kg

Product information	
GTIN/EAN number	4045761483026
REACH classification	no prohibited substances

Pictograms	
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STANDARD

