KERN **ORA 1WA**

Refractive index measurement for laboratories and the industry



Date of creation: 24.10.2026

Category

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

Measuring System

Scales	Brix Oechsle KMW (Babo)
Measurement temperature [Max] (°C)	30 °C
Measurement temperature [Min] (°C)	10 °C
Readabilites [d]	0,2 % 1 °Oe 0,25 °KMW
Appropriate calibration liquid	0 % (distilled water)
Measuring method	Light refraction
Automatic temperature compensation (ATC)	✓
Measuring range KMW (Babo) [Min]	0 °KMW
Measuring range KMW (Babo) [Max]	25 °KMW
Readout KMW (Babo)	0,25 °KMW
Measuring range Oechsle [Min]	0 °Oe
Measuring range Oechsle [Max]	140 °Oe
Scale KMW (Babo)	✓
Readout Oechsle	1 °Oe
Scale Oechsle	✓
Measuring ranges	0 % - 32 % 0 °Oe - 140 °Oe 0 °KMW - 25 °KMW
Area of application	Wine
Readout Brix	0,2%
Measuring range Brix [Min]	0%
Measuring range Brix [Max]	23%
Brix scale	✓

Construction

Dimension (W×D×H)	212×910×60 mm
Refractometer type	Handheld refractometer
Scale - Display type	Analogue
Material prism	ZLaF3 lanthanum flint glass nd=1.85544

Functions

IP protection - complete device	-
Automatic temperature compensation	✓

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.	0,20 kg
Gross weight approx.	0,40 kg
Shipping weight	0,4 kg
Shipping volume weight	0,3 kg

Product information

GTIN/EAN number	4045761483026
Trade number	90275000
Warranty Time	24 mon

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REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

