

KERN ORA 1SA

KERN

Refractive index measurement for laboratories and the industry



Material prism ZLaF3 lanthanum flint glass $n_d=1.85544$

Functions

IP protection - complete device	-
Automatic temperature compensation	✓

Environmental conditions

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

Packing & Shipping

Dimensions transport container (W×D×H)	205×75×55 mm
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	215×94×65 mm
Net weight	0,26772 kg
Shipping method	Parcel service
Net weight approx.	0,30 kg
Gross weight approx.	0,35 kg
Shipping weight	0,32 kg

Services (optional)

Article number for factory calibration	961-290
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Pictograms

STANDARD



Category

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

Measuring System

Automatic temperature compensation (ATC)	✓
Measuring method	Light refraction
Area of application	Salt
Appropriate calibration liquid	0 ‰ (distilled water)
Measurement temperature [Min] (°C)	10 °C
Measurement temperature [Max] (°C)	30 °C
Scale salinity (NaCl) ‰	✓
Readout salinity (NaCl) ‰	1 ‰
Measuring range salinity (NaCl) ‰ [Min]	0 ‰
Measuring range salinity (NaCl) ‰ [Max]	100 ‰
Scale salinity (spec. weight)	✓
Readout salinity (spec. weight)	0,001
Measuring range salinity (spec. weight) [Min]	1,000
Measuring range salinity (spec. weight) [Max]	1,070

Construction

Dimension (W×D×H)	198×40×40 mm
Refractometer type	Handheld refractometer
Scale - Display type	Analogue