

KERN ORA 1SA

KERN

Refractive index measurement for laboratories and the industry



Area of application	Salt
---------------------	------

Construction

Dimension (W×D×H)	198×40×40 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] (°C)	-5 °C
Storage temperature [Max] (°C)	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)	215×90×65 mm
Shipping method	Parcel service
Net weight approx.	0,30 kg
Gross weight approx.	0,45 kg
Shipping weight	0,41 kg

Product information

GTIN/EAN number	4045761483002
Trade number	90275000
REACH classification	no prohibited substances

Pictograms

STANDARD



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

Measuring System	
Measurement temperature [Min] (°C)	10 °C
Measurement temperature [Max] (°C)	30 °C
Measuring method	Light refraction
Scales	spec. gravity Salinity
Measuring ranges	1,000 sg - 1,070 sg 0 ‰ - 100 ‰
Readabilities [d]	0,001 sg 1 ‰
Automatic temperature compensation (ATC)	✓
Measuring range salinity (NaCl) ‰ [Min]	0 ‰
Measuring range salinity (NaCl) ‰ [Max]	100 ‰
Readout salinity (NaCl) ‰	1 ‰
Scale salinity (NaCl) ‰	✓
Measuring range salinity (spec. weight) [Min]	1,000
Measuring range salinity (spec. weight) [Max]	1,070
Readout salinity (spec. weight)	0,001
Scale salinity (spec. weight)	✓
Appropriate calibration liquid	0 % (distilled water)