KERN **ORA 1UA**

Refractive index measurement for laboratories and the industry



Date of creation: 14.11.2026

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

Measuring System	
Measuring range urea [Min]	0%
Scale urea	✓
Scales	Urea
Measurement temperature [Max] (°C)	30 °C
Measurement temperature [Min] (°C)	10 °C
Readabilites [d]	0,2 %
Appropriate calibration liquid	0 % (distilled water)
Measuring range urea [Max]	40%
Readout urea	0,2%
Measuring method	Light refraction
Automatic temperature compensation (ATC)	✓
Measuring ranges	0 % - 40 %
Area of application	Industry

Construction	
Dimension (W×D×H)	160×40×40 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

Approval	
CE mark	✓

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.	0,35 kg
Shipping weight	0,305 kg
Shipping volume weight	0,3 kg

Product information	
GTIN/EAN number	4045761483019
Trade number	90275000
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

