

KERN ORA 4UA

KERN

Refractive index measurement for laboratories and the industry



Category

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

Measuring System

Automatic temperature compensation (ATC)	✓
Measuring method	Light refraction
Area of application	Automotive
Appropriate calibration liquid	0 % (distilled water)
Measurement temperature [Min] (°C)	10 °C
Measurement temperature [Max] (°C)	30 °C
Scale batterie fluid	✓
Readout batterie fluid	0,01 kg/l
Measuring range batterie fluid [Min]	1,10 kg/l
Measuring range batterie fluid [Max]	1,40 kg/l
Scale propylene glycol (°C)	✓
Readout propylene glycol (°C)	1 °C
Measuring range propylene glycol (°C) [Min]	-50 °C
Measuring range propylene glycol (°C) [Max]	0 °C
Scale wash water	✓
Readout wash water	5 °C
Measuring range wash water [Min]	-40 °C
Measuring range wash water [Max]	0 °C
Scale for ethylene glycol (°C)	✓

Readout ethylene glycol (°C)	1 °C
Measuring range ethylene glycol (°C) [Min]	-50 °C
Measuring range ethylene glycol (°C) [Max]	0 °C
Scale urea	✓
Readout urea	0,2 %
Measuring range urea [Min]	30 %
Measuring range urea [Max]	35 %

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

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	0,25272 kg
Shipping method	Parcel service
Net weight approx.	0,30 kg
Gross weight approx.	0,35 kg
Shipping weight	0,305 kg

Services (optional)

Article number for factory calibration	961-290
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Pictograms

STANDARD

