

KERN ORA 4UA

Refractive index measurement for laboratories and the industry



Category

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

Measuring System

Measuring range urea [Max]	35%
Readout urea	0,2%
Measurement temperature [Min] (°C)	10 °C
Measurement temperature [Max] (°C)	30 °C
Measuring method	Light refraction

Scales	EG
	PG
	CW
	BF
	Urea

Measuring ranges	-50 °C - 0 °C
	-50 °C - 0 °C
	-40 °C - 0 °C
	1,10 kg/l - 1,40 kg/l
	30 % - 35 %

Readabilities [d]	1 °C
	1 °C
	5 °C
	0,01 kg/l
	0,2 %

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

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

Automatic temperature compensation	✓
IP protection - complete device	-

Environmental conditions

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

Services (optional)

Article number for factory calibration	961-290
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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

Product information

GTIN/EAN number 4045761483101

Trade number 90275000

REACH classification no prohibited substances

Pictograms

STANDARD

