

KERN ORA 2PA

KERN

Refractive index measurement for laboratories and the industry



Measuring range urine (specific gravity) [Max] 1,050

Construction

Dimension (W×D×H)	178×40×40 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	0,25772 kg
Shipping method	Parcel service
Net weight approx.	0,30 kg
Gross weight approx.	0,35 kg
Shipping weight	0,31 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-P

Measuring System

Automatic temperature compensation (ATC)	✓
Measuring method	Light refraction
Area of application	Urine
Appropriate calibration liquid	0 % (distilled water)
Measurement temperature [Min] (°C)	10 °C
Measurement temperature [Max] (°C)	30 °C
Scale for Refractive index	✓
Readout refractive index	0,0005 nD
Measuring range refractive index [Min]	1,3330 nD
Measuring range refractive index [Max]	1,3600 nD
Scale protein serum	✓
Readout protein serum	0,2 g/100 ml
Measuring range protein serum [Min]	0 g/100 ml
Measuring range protein serum [Max]	12 g/100 ml
Scale urine (specific gravity)	✓
Readout urine (specific gravity)	0,002
Measuring range urine (specific gravity) [Min]	1,000