KERN **ORA 2PA**

Refractive index measurement for laboratories and the industry



Date of creation: 24.10.2026

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

Measuring System	
Scales	Refractive index Urine (spec. gravity) Serum proteine
Measurement temperature [Max] (°C)	30 °C
Measurement temperature [Min] (°C)	10 °C
Readabilites [d]	0,0005 nD 0,002 sgU 0,2 g/dl
Appropriate calibration liquid	0 % (distilled water)
Measuring method	Light refraction
Automatic temperature compensation (ATC)	✓
Scale urine (specific gravity)	✓
Measuring range refractive index [Min]	1,3330 nD
Measuring range refractive index [Max]	1,3600 nD
Readout refractive index	0,0005 nD
Scale for Refractive index	✓
Measuring range protein serum [Min]	0 g/100 ml
Measuring range protein serum [Max]	12 g/100 ml
Readout protein serum	0,2 g/100 ml
Scale protein serum	✓
Measuring range urine (specific gravity) [Min]	1,000
Measuring range urine (specific gravity) [Max]	1,050
Readout urine (specific gravity)	0,002
Measuring ranges	1,3330 nD - 1,3600 nD 1,000 sgU - 1,050 sgU 0 g/dl - 12 g/dl
Area of application	Urine

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

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	0,31 kg
Shipping volume weight	0,3 kg

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Product information

GTIN/EAN number	4045761483040
Trade number	90275000
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

