



## Refractive index measurement for hospitals, medical training institutions or in sports medicine

▲ Also available as digital models or ABBE refractometers, we are happy to advise you

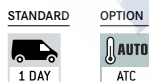
### Features

- The KERN ORA refractometers are universal, maintenance-free analogue handheld refractometers
- The main scope of applications is: Hospitals, Doctor's surgeries/Physicians, Medical training institutions, Nursing homes, Sports medicine (doping test)
- Particularly the ORA 2PA is suitable for the measurement of the specific gravity (sg) in urine, the quantity of serum (serumproteine) in urine (doping control among athletes), and the refractive index. The ORA 5PB has been developed specially for the veterinary sector
- The handy and robust design allows the easy, efficient and sustainable use in everyday life.
- Manually calculated conversions and errors of the user are avoided by multiple selectable scales
- These scales are especially developed, exactly calculated and checked. They are also characterized by their thin and clear lines
- The optical system and the prism cover are made of special material which allows a low-tolerance measuring
- All ORA models are equipped with an eyepiece for easy and smooth setting for many different diopter strengths
- The models marked with "ATC" have an automatic temperature compensation which enables accurate measurement at different ambient temperatures
- **1** The following accessory-parts are included:
  - Storage box
  - Calibration liquid
  - Pipette
  - Small screwdriver
  - Cleaning tissue
- Further accessories are optionally available

### Technical data

- Die-cast housing of copper-aluminium alloy, chrome coated
- Measurement temperature without ATC: 20 °C
- Measurement temperature range with ATC: 10 °C/30 °C
- Dimensions of the box W×D×H 205×75×55 mm
- Packing dimensions W×D×H 215×94×65 mm
- Product length: approx. 130-200 mm (depending on the model)
- Net weight approx. 145 g

Please refer to the website for further details as well as information on the full range of model features



Model	Scales	Measuring range	Division	ATC	
<b>KERN</b>					
<b>ORA 32BA</b>	Brix	0 - 32 %	0,2 %	✓	
<b>ORA 4RR</b>	Refractive index	1,440 - 1,520 nD	0,001 nD		
<b>ORA 2PA</b>	Serum protein Urine (spec. gravity) Refractive index	0 - 12 g/dl 1,000 - 1,050 sgU 1,3330 - 1,3600 nD	0,2 g/dl 0,002 sgU 0,0005 nD	✓	
<b>ORA 5PB</b>	Serum protein Urine (s. g. dog) Urine (s. g. cat)	2 - 14 g/dl 1,000 - 1,060 sgU 1,000 - 1,060 sgU	0,1 g/dl 0,001 sgU 0,001 sgU		