



KERN ORF

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

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)
- The ORA 2PA is particularly suitable for measuring 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
- 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 |
|-------------|-----------------------|--------------------|-----------|-----|
| KERN | | | | |
| ORA 32BA | Brix | 0 – 32 % | 0,2 % | ✓ |
| ORA 4RR | Refractive index | 1,440 – 1,520 nD | 0,001 nD | |
| ORA 2PA | Serum protein | 0 – 12 g/dl | 0,2 g/dl | |
| | Urine (spec. gravity) | 1,000 – 1,050 sgU | 0,002 sgU | ✓ |
| | Refractive index | 1,3330 – 1,3600 nD | 0,0005 nD | |
| ORA 5PB | Serum protein | 2 – 14 g/dl | 0,1 g/dl | |
| | Urine (s. g. dog) | 1,000 – 1,060 sgU | 0,001 sgU | |
| | Urine (s. g. cat) | 1,000 – 1,060 sgU | 0,001 sgU | |