

AKR cornea 500



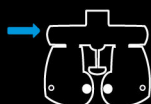
IDEAL SYNTHESIS OF OBJECTIVE REFRACTION AND CORNEAL TOPOGRAPHY



The AKR cornea 500 is an auto-kerato-refractometer-topographer which gives precise and reliable results. It is an ideal solution to optimise available space.

AKR cornea 500

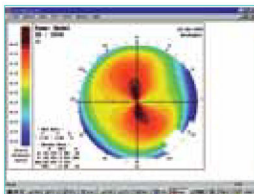
AUTOKERATO-REFRACTOMETER & TOPOGRAPHER



K R Tp

Optometry





2-IN-1 SOLUTION

- High-precision objective refraction thanks to its unique rotary prism technology which ensures objective measurement reliability, precision and regularity, even on small-diameter pupils.
- Screening for corneal problems (Keratoconus, corneal degeneration, irregular astigmatism) or problems adapting to special contact lenses (Orthokeratology, gas-permeable contact lenses).

CORNEA TOPOGRAPHER SOFTWARE

- Supplied with the AKR cornea 500, the software analyses corneal deformations.
- It generates a large selection of graphical representations of corneal topography to perform display and quality analysis (placido rings technology).

REFRACTION MEASUREMENT		KERATOMETRY MEASUREMENT	
Sphere	-25.00D ~ +22.00D (0.12D)	Corneal curvature radius	5.00 to 10.00mm (0.01mm)
Cylinder	-0.00D ~ ±8.00 (0.12D)	Refraction index	1.3375
Axis	0° ~ 180° (1° / 5°)	Corneal refraction	67.5D to 33.75D (0.12D / 0.25D)
Minimum measurable pupil diameter	ø 2mm	Corneal astigmatism	0D to ± 10D (0.12D / 0.25D)
Method of relaxation	Automatic fogging	Astigmatism axis	0° to 180° (1°)
		Measuring area	3mm with 7.7mm radius
PD MEASUREMENT		VERTEX DISTANCE	
	85mm maximum (1mm)		85mm maximum (1mm)
PUPIL DIAMETER	2 - 13mm (0.25mm)	RELEASE	Automatic - Semi-automatic - Manual
INTEGRATED PRINTER	•	DIMENSIONS AND WEIGHT	275(W) x 475(D) x 500(H)mm - 21kg
EXTERNAL OUTPUT TERMINAL	RS 232C	POWER-SUPPLY	AC100, 120, 220, 240V
		SOFTWARE	Microsoft Windows® XP Pro Windows® 7 Pro 32 bits.
CE Conformity marking			

PRODUCT FUNCTIONS



Rotary prism technology



Data transfer to APH



Keratology



Objective Refraction



Topography