

AKR 400



THE ALLIANCE OF SMART DESIGN AND PERFORMANCE



The AKR 400 combines modern aesthetics and smart features for easy and reliable measurements.

AKR 400

AUTO KERATO-REFRACTOMETER



Optometry





SMART GUN-TYPE JOYSTICK

- Smart gun-type joystick for better grip feeling.
- Embedded ergonomic knob for both vertical alignment and shooting.



RELIABLE MEASUREMENTS

- Illumination sensor to reduce external light effects and ensure accurate measurements.
- Automatic pupil tracking to avoid vertical misalignment during measurement process.



CONVENIENT USAGE

- 6,5" LED color screen which provides clear and bright images.
- Motorized chin rest with automatic adjusting mechanism.
- Easy access to settings and measurement modes thanks to the central menu button.
- Variable locking system to facilitate smooth and precise head alignment.

KERATOMETRY MEASUREMENT		REFRACTION MEASUREMENT	
Corneal curvature radius	5.00 to 10.20mm (0.01mm)	Sphere	-30.00D ~ +22.00D (0.12D and 0.25D)
Corneal refraction	67.5D to 33.00D (0.12D / 0.25D)	Cylinder	-0.00D ~ ±10.00 (0.12D / 0.25D)
Corneal astigmatism	0D to ± 15D (0.12D / 0.25D)	Axis	0° ~ 180° (1°)
Astigmatism axis	0° to 180° (1°)	VD (Vertex Distance)	0.0, 10.0, 12.0, 13.5, 15.0
SIZE		Minimum measurable pupil diameter	ø 2mm
Corneal diameter	2.00 ~ 12.00mm (Step:0.01)	MEASUREMENT MODES	
PD MEASUREMENT		Peripheral keratometry, Keratometry + Refractometry, Refractometry, Keratometry, Contact lens base curve, Iris or pupil size	
PD	20 - 85mm (1mm)		
SCREEN	6,5", Color TFT LCD (Led type)	DIMENSIONS AND WEIGHT	
INTEGRATED PRINTER	•	260(W) x 570(D) x 440(H)mm - 16kg	
EXTERNAL OUTPUT TERMINAL	USB (import), RS 232C (export), Ext Video (export)	POWER-SUPPLY	100-240V AC, 50-60Hz, 75VA
CE Conformity marking			

PRODUCT FUNCTIONS

