

Kowa



Technology for Life Science

KW-2000

KOWA AUTO REFKERATOMETER

KA-1000

KOWA AUTO REFRACTOMETER

Pursuing reliability and smart operation



HS
Optikmaschinen



Applicable to a small pupil (2.3 mm in diameter) and an eye with IOL

A small pupil of 2.3 mm in diameter and an eye with IOL can be measured.

Keratometry around cornea

Not only the center of cornea but its periphery can be measured in four directions.

Easy measurement with auto start function

Just focus the focus guide, and measurement begins automatically. Automatic printing after measurement of both eyes is also possible.

Printer with auto cutter

The auto cutter neatly cuts the recording paper.



Subject-friendly color icon display



Color icons are used for display of each mode on the screen for easy understanding.

Year/ Month/ Date and Time	NRHE 2002 12 18 14:34	
Data for right eye	MD=12	
	(R) SPH CYL AX	Measured refractivity
	-4.00 -1.25 6	
	-4.00 -1.25 9	
	-4.00 -1.25 177	
	-4.00 -1.25 9	Representative value
Data for left eye	(L) SPH CYL AX	Measured refractivity
	7.74 43.58 92	
	7.36 45.75 92	Measured shape of cornea
	7.55 44.75 92	
	-2.25 2	
	-3.00 -1.00 171	Representative value
Data for left eye	(L) SPH CYL AX	Measured refractivity
	-3.00 -1.00 171	
	-3.00 -1.00 171	
	7.33 45.00 88	Measured shape of cornea
	7.58 45.00 88	
	-2.80 178	
	PD = 67	Pupil distance
	MODEL KW-2000(1/0.00)	

Specifications

	KW-2000	KA-1000
Refractive Measurement Range	Sphere Power -25~+25D at VD*0° (step : 0.12/0.25D)	
	Cylinder Power 0~±10D (step : 0.12/0.25D)	
	Cylinder Axis 0~180° (step:1°)	
	Measurement Time 0.07 sec	
Keratometry Measurement Range	Radius Curvature 5.0~10.0mm (step : 0.01mm)	
	Refractive Power 33.75~67.5D (step : 0.12/0.25D) (a refractive index of cornea:n=1.3375)	
	Cylinder Power 0~±9D	
	Cylinder Axis 0~180° (step : 1°)	
	Measurement Time 0.07 sec	
Measurement Mode	Ref / Kerato continuous, Ref single, Kerato single, corneal periphery.	
Vertex Distance	0, 10, 12, 13.5, 15mm	
Pupil Diameter	φ 2.3mm (Minimum)	
PD Measurement	Measurement range 85mm (step : 1mm)	
Printer	Thermal line printer with automatic cutter (paper width 57mm)	
Monitor	5.6 inch LCD color monitor	
Shifting Range for Sliding Body	back / forth 34mm right / left 86mm up / down 35mm	
Vertical Adj. Range for Chin Rest	±30mm	
Data Output	RS232C / Video Terminal	
Power Saving Function	OFF, 3, 5, 10min.	
Power Source	Input : 100~240V, 50 / 60Hz, 80VA	
Dimensions / Weight	245mm (W) X422mm (D) X429mm (H) / approx. 15kg	

Specifications and appearances are subject to change without notice.



Handwerkerstraße 14
 48720 Rosendahl-Holtwick
 Tel: 02566/4720
 Fax: 02566/1620
 Email: hsoptikmaschinen@hotmail.com
www.hs-optikmaschinen.de