



New
Premio Series

CE 1282

Auto Refractometer : R-10



Auto Refkeratometer : KR-10



The new 5th generation premium technology with Outstanding Performance



New Premio Series Autorefractometer : R-10 & Autoref Keratometer : KR-10

Salient Features

- Tilt-able Large colour LCD (7 inch) with touch screen interface, motorized chinrest & auto-racking helps an user to use single handedly.
- Reliable easy load fast thermal Printer with Auto Cutter, avoids printing paper jam.
- Smooth Motorized Chin Rest operation from operator's side close to joy stick.
- Easy and elegant looking Flip / Flop temporary locking knob to arrest unwanted movement when not in use.
- Auto Tracking of Central Cornea with Auto Shot.
- BMM-3/ BMM-5 (Burst measuring mode of 3 or 5 Readings in one shot).

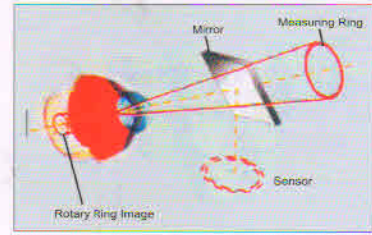
TECHNICAL SPECIFICATION

Model	Autorefractometer : R-10 / Autoref Keratometer KR - 10
Measurement Range	Sphere : ± 25 (VD = 12mm) (0.12 and 0.25D step) Cylinder : $0 \sim \pm 12D$ (0.12D / 0.25D step) Axis : $0 \sim 180^\circ$ (Step of 1°) Cylinder Mode : + / - / \pm (mix)
R-10 & KR - 10	
	Autorefractometer : KR-10
KR-10	Auto Keratometer Measurement Range Radius of Curvature : 5-13 mm (0.01 mm step) Corneal Refractive Power : 67.50D ~ 25.96D (n=1.3375) (Step : 0.12 / 0.25D) Corneal Astigmatism : $0 \sim \pm 12D$ Step : 0.12D / 0.25D Axis : $0 \sim 180^\circ$ (Step of 1°)
Mode of Operation :	Ref mode / IOL mode Auto / Manual / Auto Tracking (R-10) REF / KER / RK / IOL Auto / Manual / Auto Tracking (KR-10)
Min.Pupil Diameter	\varnothing 2 mm
Measurement Mode	Manual / Auto - 1, Auto - 3, IOL Mode
Fogging	Continuous / Once per reading
Vertex Distance	0mm / 12mm / 13.50mm / 15mm
PD Measurement Range	30mm ~85mm (1mm increment) Near PD : 28mm~80mm at WD : 40cm
Measurable Pupil / Cornea Size	2mm ~ 12mm by adjusting the cursor over image
Fixation Target	Scientific Hi Resolution Scenic Chart
Display	7 inch large tilt - able Colour LCD with touch screen operation
Auto Tracking / Auto Shot	Touch guided, Auto Tracking & Auto Shot (as programmed in menu)
Data Storage	10 measured values per eye
Chin Rest	Motorized, controlled through soft touch buttons on the front base. Load Bearing Capacity : 2.5 kg
Movement Locking Facility	Flip / Flop temporary lock and body fixing transport lock
Printer	Fast Thermal line printer with easy loading & auto cutter
Interface	RS-232C (IN / OUT)
Movement Range	Back & Forth : ± 18 mm, Right & Left : ± 43 mm UP / DN : ± 17 mm, Motorized Chin Rest : ± 33 mm
Power Saving Function	OFF / 5 min / 15 min (selectable by user)
Power Supply / Consumption	AC-100V~240v (50~60Hz) 50VA
Dimension / Nt. Weight	262(W) X 487(D) X 467(H) / 17kg
Quality Certification	CE & ISO

- Standard Accessories : Dust Cover, Power Cable, Pair of Paper Roll, Model Eye
- Optional Accessories : Motorized Table, Data Cable, Digital Phoropter, Chair Unit, Chart Projector / LED Smart Chart

Note :

- All R-10 / KR-10 can be interfaced with Matrix Digital Phoropter, Auto Lensmeter and Digital Chart Projector
- All Matrix AR / ARK can be made at par with the latest version, just by upgrading the software, as on when required.



The unique ARM processor & the latest image processing algorithm are responsible for extremely accurate measurement. Also Automatic measurement mode eliminates manual operational errors.



Scientifically designed (bright colour scenic picture) fixation target & Innovative Japanese optical path system with advanced autofogging technology provides more precise measurement, against accommodation.

R	S	C	A	1	S	C	A
8225	0.75	0.25	15	1	0.25	0.75	43
PD 69	0.75	0.25	15	2	0.75	0.25	85
	0.75	0.25	15	3	0.75	0.75	118
	0.25	0.00	180	4	0.25	0.50	35
	1.00	0.00	180	5	0.25	0.50	41
	1.00	0.00	180	6	2.00	2.75	152
	1.00	0.00	180	7	0.50	0.75	41
	0.75	0.00	180	8	0.75	0.50	38
	0.50	0.25	28	9	0.75	0.50	39
	0.25	0.00	180	10	0.50	0.75	42
	0.75	0.00	180		0.50	0.50	38

Records 10 measurement per eye & automatically display the results of both R & L eye with average measurement value.



Duo-Top Heavyduty Motorized Table with Slit Lamp & Autoref

Manufactured for Matrix ophthalmics by NMORDC . Ltd, PRC

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