

LUCID`KR

AUTO KER`REFRACTOMETER



Comfortable

- Tilting LCD monitor for 70 Degree



The monitor screen enables operator to measure in comfortable position even when the patient's eyelid needs to be opened by operator.

- Suitable Chin-rest & Head-rest



LUCID`KR provides the patients with the comfortable measuring environment by adopting Chin-rest and Head-rest with soft material of silicon rubber.

- Easily recognizable ICON



- GUI (Graphic User Interface) familiar to operator

LUCID`KR is showing the information such as setup function and measurement on the screen by bitmap images and icons similar to Google's android, and it is much useful for operators who are familiar with smart phone and internet to make measurement than showing the information by text image.

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AUTO KER`REFRACTOMETER

Convenient



● Wide 7 inch TFT Color LCD with touch panel

It enable the operator to show the abundant information related to the measurement by using wide 7 inch TFT color LCD with touch panel.



● Soft-lock

LUCID`KR incorporates a convenient Soft-lock lever on the main body for temporal locking of moveable part during operation.



● Motorized vertical movement

The motorized vertical movement with rotating joystick facilitates lighter and more convenient measurement. In addition, more precise movement enables easy alignment through a special sensing technology of EVERVIEW.

● High Speed Printer with Easy loading & Auto Cutting

LUCID`KR incorporates a high speed and user-friendly printer, and the printer paper can be changed easily.



● Motorized chinrest movement

The motorized chinrest with simple up / down buttons facilitates smoother operation.



● Reliable



● Refractive measurement with Hexagon prism & Highly sensitive CCD

With high-quality of Hexagon prism & highly sensitive CCD, LUCID`KR provides unmatched accuracy and reliability. The innovative optical design incorporated into LUCID-KR allows to obtain more reliable and realistic data that is closer to subjective refraction.

● An innovative fogging function

An innovative fogging function reduces the effects of Myopia and patient accommodation, and the special target image is adjustable continuously for more reliable results.



● Advanced 32-bit Microcontroller

SAMSUNG's 32-bit Microcontroller (CPU) with high performance & low currency enables to achieve rapid calculation, accurate measurement and automatic control.



● Specifications

Measurement

Mode		
Conventional Mode	REF	Refractometer
	KER	Keratometer
	REF/KER	Refractometer with Keratometer
	CLBC	Contact-lens base curve measurement
Special Function	PK	Peripheral Keratometer
	ILLUM	Retro-illumination function
	SIZE	Cornea / Pupil size measurement
Refractometer		
	Sphere	-25.00 ~ +25.00D (VD 12mm) (0.01 / 0.12 / 0.25D Steps)
	Cylinder	0 ~ ±10D (0.01 / 0.12 / 0.25D Steps)
	Axis	1 ~ 180° (1° Step)
	Required minimum pupil	2.0mm
Keratometer		
	Radius curvature	5.00 ~ 10.00mm (0.01mm Step)
	Refractive power	67.50 ~ 33.75D (n=1,3375) (0.01 / 0.12 / 0.25D Steps)
	Astigmatism	0 ~ ±10D (0.01 / 0.12 / 0.25D Steps)
	Astigmatic axis	1 ~ 180° (1° Step)
	Peripheral measurement	6.0mm (r=7.8)
PD		
	Maximum	88mm

General Specification

Size measurement	Cornea	0 ~ 12.9mm
	Pupil	0 ~ 12.9mm
Target chart	Auto fog system with scenery chart	
Display	Tiltable wide 7 inch TFT LCD with touch panel	
	Luminance 400cd/m ²	
	Resolution 800 x 480 Pixels	
Printer	Built in thermal printer with auto loading & auto cutter	
Interface	RS-232C (RX / TX), D-Sub (Video out)	
Dimension	270 x 520 x 455mm	
Weight	Approx. 18kg	
Power supply	AC 100-240V 50/60Hz	
Power Consumption	60W	

Scheda Tecnica

AUTOCHERATOMETRO-REFRATTOMETRO LUCID'KR

DESCRIZIONE:

Il design innovativo della serie LUCID permette un'accurata e affidata misurazione refrattiva e cheratometrica all'interno dello stretto diametro pupillare di 2.0 mm. Questo significa un facile e preciso risultato diagnostico quando si è in presenza di glaucoma, pupilla asimmetrica o in pazienti anziani.

È uno strumento veloce e compatto, dalle elevatissime qualità ottiche che combinate alla nuova tecnologia elettronica permette una vasta scala di misurazione refrattiva e cheratometrica per un test oggettivo. Infatti con questo nuovo modello il tempo totale per 10 misurazioni per ciascun occhio e il relativo tempo di stampa risulta inferiore del 50%.

CARATTERISTICHE TECNICHE:

TIPOLOGIA DI MISURAZIONI

Modalità K/R	Cheratometria & Refrattometria
Modalità Ref	Refrattometria
Modalità Ker	Cheratometria
Modalità CLBC	Misurazioni curva di base lenti a contatto
Cheratometria periferica	fino a 6mm

REFRATTOMETRIA

Distanza dal vertice	(VD) 0,10,12,13.5,15
SPH	-25.00~+25.00D (0.12D,0.25D)
CYL	0.00~+/-10.00D
ASSE	1°~180°
Forma del cilindro	-,+,+/-
Distanza interpupillare:	10~88mm
Diametro minimo pupilla:	Ø 2.0mm

KERATOMETRIA

Raggio di curvatura	5.0~10.2mm Potere corneale 33~67.50D
Astigmatismo corneale	00.0~15.00D(0.05/0.12/0.25D)
ASSE	1~180
Diametro corneale	2.0~12.0 mm

ALTRE

Misura diametro pupilla:	da 0.0 mm a 12.9 mm
Misura diametro pupilla:	da 0.0 mm a 12.9 mm
Tempi di misurazione:	circa 0.0245 secondi
Stampante	Termica / Taglio automatico carta
Risparmio Energetico	3,5,10 minuti
Display Monitor	LCD TFT Touch Screen da 7 pollici a colori
Alimentazione	AC 100~240v,50/60Hz/90w
Dimensioni / Peso	275(L)*525(P)*440(A), 20Kg
Mentoniera	Max., 65mm, a movimento elettronico
Uscita dati	Interfaccia RS-232, Video Output USB

- ✓ **FUNZIONE ILLUM SENSORE CATARATTA**
- ✓ **MISURAZIONE OCCHI CON LENTI INTRAOCULARI**
- ✓ **MISURAZIONE DEL DIAMETRO PUPILLARE**
- ✓ **ALTA VELOCITÀ DI ACQUISIZIONE**
- ✓ **MENTONIERA ELETTRICA**
- ✓ **TAGLIO AUTOMATICO DELLA STAMPA DEL REFERTO**
- ✓ **COMODA LEVA DI BLOCCAGGIO**
- ✓ **MONITOR LCD TOUCH SCREEN TILTABILE 70°**