



LEADER IN OPHTHALMIC EQUIPMENTS



## UNITECH VISION

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# gr k 2100

## Auto Ref/Keratometer

Faster and correct

### Contact Lens Base Curve Measurement

User can check proper hard contract lens base curve with back side holder of model eye and can check condition of lens surface. It helps user prescribe customer lens exctly.

### Cornea Refractive Power, Cornea Curvature Measurement

Wide area of spherical power from-25D to +22D and cylinder power from-10D to + 10D can be measured using specially designed GRK-2100

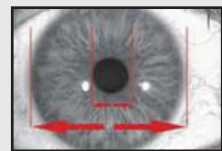
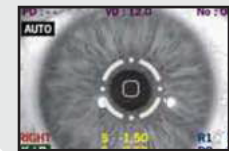
More exact cornea curvature can be measured from 5.0mm 10.2mm bye improved optical science design method.

### Cornea, Iris, Cornea Size Mesurement

With image capture function of LED reflected image, cornea, iris, and pupil size can be measured conveniently.

### IOL MODE

Can measure and observe IOL that is inserted after extracting crystalline lens from cataract.



### Colored fagging Chart

Patient's eyes can be naturally fogged when measuting their eyes, so control interderence can be forbidden, therefore, measuremnet reliability can be improved with more exact date.



### Speedy printer

A speedy printing can analyze various measurement date easily.

### Automatic power-saying mode

In case user does not use the machine for certain time (user can set using time at SET-UP mode), System is changed to power-saving mode to avoid unnecessary power consumption and overheating of inner circuit.



### Higher Resolution TFT LCD

With 6.4 inch TFT LCD, wide and superior image quality along with colored letters can be provided

### Automatic chin-rest control function

Chin-rest can be controlled automatically by one-touch button so that user can measure faster and easier.

### Automatic PD Measurement

PD measurements are performed automatically after measuring binocular power, and it dispalys in LCD window.

### Communication function among machineries

User can measure and analyze date from refractor, lens meter and other machinery using RS-232C

# gr k 100

## SPECIFICATIONS

#### Measurement mode

REF/KER MODE	Continous Refractometry and Keratometry
REF MODE	Refractometry
KER MODE	Keratometry
CLBC	Contact Lens Base Curve Measurement

#### Measurement Range

Cornea vertex distance (VD)	0.0, 12.0 13.5, 15.0
Spherical power (SPH)	-25.00~ +20.00 (VD=12.00) (0.12/0.25D STEP)
Cylinder power (CYL)	0.00 ~ ±10.00D (0.12 or 0.25D STEP)
Axis	1~180° (1° STEP)
Cylinder Indication	~,+,±
Pupil Distance (PD)	10~85mm
Minimal pupil size	Ø2.0mm

#### Cornea Measurement Range

Cornea Curvature radius	5.0~10.2mm (0.01 STEP)
Cornea Power	33.00~67.50D (Cornea equivalence power=1.3375 (0.05/0.12/0.25D STEP)
Cornea Cylinder Power	0.00~15.00D(0.05/0.25D STEP)
Cornea Cylinder Axis	1~180° (1° STEP)
Cornea Diameter	2.0mm~14.00mm(0.1mm STEP)

#### Dimension

Inner printer	Built-in printer
Monitor	6.4" TFT LCD
Thermal Printer	AC100-240V, 50/60HZ ( Free Voltage, Free Frequency)
Size / Weight	252(W) X 478(D) X 430(H)mm, about 20kg

# Q30 + Auto Refractometer Matronix



## Specifications

- Refraction measurement : Sphere (sph): -25D~+22D, 0.12D/0.25D steps Cylinder (cyl): -80D~+8D, 0.12D/0.25D steps Axis : 0~180°, 1° steps
- Pupil distance 45~85 mm, 0.5mm steps
- Vertical distance 0mm, 12mm, 13.75mm
- Minimum pupil diameter 02.0mm
- Charter Automatic fogging method
- Display 5.7 inch true color LCD
- Print Import thermal printer
- Power Supply 100~120V/200~240V, 50/60HZ
- Dimension 275(W) \* 509(D)\*430-460(H)mm
- Weight 18Kg

## Matronix Q30+K Auto Ref/keratometer

Measurement mode	K/R	Measure diopter and corneal curvature
	REF	Measure diopter
	KER	Measure corneal curvature
	Vertical distance	0mm, 12.0mm, 13.75mm
	Sphere	-25.00 ~ +22.00D(0.12/0.25D steps) (VD=12mm)
Diopter measurement	Cylinder	-8.00D ~ +8.00D(0.12/0.25D steps)
	Axis	1°~180° (steps 1°)
	Pupil distance	45 ~ 85mm(accuracy 0.5mm)
	Minimum pupil diameter	φ 2.0mm
	Charter	Auto fogging method
Corneal Measurement	Corneal curvature radius	5 ~ 10mm (0.01 mm steps)
	Corneal diopter	33.00 ~ 67.00(0.12/0.25D steps)
	Corneal Astigmatism	0.00 ~ -15.00D(0.12/0.25D steps)
	Axis	1°~180° (steps 1°)
	Corneal Diameter	2.0 ~ 12.00mm
Product specification	Display	5.7" TFT color LCD screen
	Printer	Import thermal printer
	Energy save	Auto monitor energy save no operations for 5minutes
	Power supply	Ac100 ~ 240V,50/60HZ
	Dimension/Weight	275 (VV)*475(D)*435-465(H)mm/18kg

- The most advanced technique of a graph edition, make the graph measured quickly and clear.
- The precedent optical technique, consistent measurement and the accurate figure.
- IOL mode
- Accurate reliable
- Dual camera technology with 5.7 inch hi-resolution color LCD display
- Latest SMPS power supply system, allows working perfect even at low voltage or fluctuating supply voltage

# Auto Refractometer r 800



## New Generation DESIGN & STYLE

Exquisite detail and quality. Sophisticated shape combined with soft curves and the attractive color with high quality two-tone metallic and pearlescent paintwork which complements any interior and appeals atmosphere of trust to the customer. Feather-touch sensor button



- The feather-touch sensor button used to interface with the screen enables sensitive and accurate operation.
- The newly designed optical unit allows measurement of the minimum pupil diameter up to 2.0 mm and high-accuracy measurement. Useful function for actual measurement such as display of reliability warning indicator has been added.



## Improved side flaps, head rest and chin rest

Side flaps mounted to each side of the measurement window enabling to block out the light realizes high accuracy. The modified shapes of the forehead rest and the chin rest help to minimize stress of the patient.

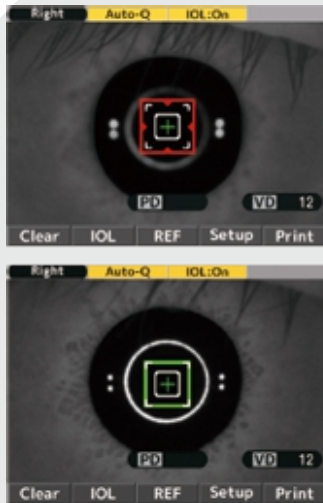


# AUTO REF-KERATOMETER ACCUREF K-900 SPECIFICATION



### New Joystick

The newly designed optical unit allows measurement of the minimum pupil diameter up to 2.0 mm and high-accuracy measurement. Useful function for actual measurement such as display of reliability warning indicator has been added.  
The completely redesigned joystick with the shape and top button allows the operator to control the unit with more precise and instinctive movement.



Color changes to green when focus is achieved

### Newly designed IOL Mode [color focus indicator]

A subject with IOL was conventionally difficult to measure but this newly designed IOL mode has made it much easier.



### Scotopic & Photopic Pupil Diameter Measurement

Both scotopic and photopic measurements are available.  
※ S.P.S : Scotopic Pupil Size  
P.P.S : Photopic Pupil Size



### Unique LCD Monitor

A swivel function to the left (30°) and a vertical tilt function (40°) have been added to the monitor unit. This swivel function allows measurement while supporting the patient.

(Ref measurement)	Sphere (S)	Measurement range	-30D~±22D (VD=12)
			-22D~±30D (VD=0)
	Cylinder (C)	Unit	0.12D, 0.25D (Switching)
		Measurement range	0D~±10D (VD=0)
		Unit	0.12D, 0.25D (Switching)
	Axis (A)	symbol	-, +, ± (Switching)
		Measurement range	0°~180°
	Unit1°	Unit	1°
	Vertex distance		0, 10, 12, 13.5, 15mm
	Minimum pupil diameter measurable		φ 2.0mm
	Corneal curvature radius measurement	Corneal curvature radius	Measurement range 5.0mm~10.0mm
		Unit	-0.01mm
	Cylinder (C)	Measurement range	0D~±10D
		Unit	0.12D, 0.25D (Switching)
		symbol	mm, -D, +D (Switching)
	Corneal refractivity	Measurement range	33.75D~67.5D
			(where corneal refractive index n = 1.3375)
	Axis angle		
		Unit	0.12D, 0.25D (Switching)
		Measurement range	0°~180°
		Unit	1°
	PD measurement	Measurement range	85mm(Near PD output)
		Corneal curvature Unit	1MM
	Pupil diameter measurement	Measurement range	φ2.0mm φ8.5mm
		Corneal curvature Unit	0.1mm
	Fog controle	Fogging for each measurement (Auto) Fogging is provided at the first measurement followed by continuous measurement (Auto-Quick)	
	Size	(W) 240mm (D) 422mm (H) 430mm	
	Movement range of the measurement unit	Forward/backward	±22mm
		Horizontal direction	±43mm
		Vertical direction	±17mm

Movement range of the chin rest	vertical ±30mm
Movement range of LCD	+30°swivel (left only), +40°tilt
Weightapprox	13kg
Built-in monitor body	5.7 inch color LCD monitor
Printer	thermal line printer (paper width 58mm)
Power voltage/ frequency	AC100V-240V, 50/60Hz
Power consumption	60VA
Power saving function	OFF, 3, 5, 10min. (selectable)



## SLK 5400 Auto Lensmeter

Advanced hartmann measurement theory, cluster measurement can throught 108 points at the same thime, it guarantee the measure result stable and accurate by an easy and rapid way, also enable progressive multi-focal lens and high bending rate lens measurement.

### SLK 5400 Features :-

Sphere lens	-25.00D ~ +25.00D (steps 0.01D/0.06D/0.12D/0.25D)
Contact lens	-25.00D ~ +25.00D (BC=6.00 ~ 9.00) (steps 0.01D/0.06D/0.12D/0.25D)
Cylinder	0.00D ~ +-10.00D(-,±/-,+)(steps 0.01D/0.06D/0.12D/0.25D)
Axix	0° ~ 180°(steps 1°)
Add	0.00D ~ +-10.00D (Add, Ad2, Ad3) (steps 0.01D/0.06D/0.12D/0.25D)
Prism	0.00△ ~ 15.00 △ (steps 0.01 △)
UV penetrability	1% ~100% (steps 1%/5%)
PD measure	Single eye;PD:20mm ~ 39.5MM ; Double eye PD :40mm ~ 85MM (steps0.05mm)
Lens diameter	Φ15MM ~ Φ100MM
LCD SCREEM	Japan 4.75" color LCD screen
DOT method	Ink tube
Printing	High speed thermal printer
Digital connector	RS-232C
Power supply	AC110V ~240V ; 50/60HZ
Max power	40W
Weight	3.6 KG
Dimension	194(W)x210(D)x408(H) MM



## SLK 5600 Auto Lensmeter

The ISO standard green LED measurement light, wavelength of 545nm, measurement of lens no need any number of setting abbe, make measurement mor rapid, stable and accurate.  
The measurement of cluster area, So that access to data more accurate and reliable.  
Accurately measure color lens with transmittance of 10%  
Automatically identify the type of lens, and automatically switch measurement mode, more convenient measurement of multi-focal lens.  
Mignont, stylish, elegant.

### SLK 5600 Features :-

Sphere lens	-25.00D ~ +25.00D (steps 0.01D/0.06D/0.12D/0.25D)
Contact lens	-25.00D ~ +25.00D (BC=6.00 ~ 9.00) (steps 0.01D/0.06D/0.12D/0.25D)
Cylinder	0.00D ~ +-10.00D(-,±/-,+)(steps 0.01D/0.06D/0.12D/0.25D)
Axix	0° ~ 180°(steps 1°)
Add	0.00D ~ +-10.00D (Add, Ad2, Ad3) (steps 0.01D/0.06D/0.12D/0.25D)
Prism	0.00△ ~ 15.00 △ (steps 0.01 △)
UV penetrability	NO
PD measure	NO
Lens diameter	Φ15MM ~ Φ100MM
LCD SCREEM	5.6" TFT color LCD screen
DOT method	Ink tube
Printing	NO
Digital connector	RS-232C
Power supply	220V/50HZ
Max power	40W
Weight	3.6 KG
Dimension	194(W)x210(D)x408(H) MM

# Chair Unit



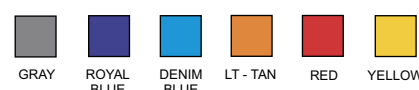
## Optical Chair unit

Optical chair is one of key instruments used when a ophthalmologist is testing whether the vision is 20/ 20. The optical chair is one of the most basic requirements of any ophthalmic clinic. When the vision is tested and the person is made to sit on the optical chair, the chair could be used to adjust to the desired height and is highly appreciated.

## Ophthalmic Chair unit



AVAILABLE COLORS



### Specifications

Unit : Special integrated design with an optimum addition facility for maximum efficiency in small and limited space.



### Control Panel

Use Of Advance Technology Specia; Designs For Maximum Efficiency. Elegantly moulded, Safe and Centralized Control panel systems. Multifaceted controis for chair movements.



Smooth rotating, well balanced sliding table top with ample space for two instrument. Touch activated safety Switch to stop inadvertent chair movements. Centraized control console with touch stone keys, Strong Armpole to support lamp, phoropter, projector & Near Vision holder. Automatics, under-the-table connection for slit Lamp.

**CHAIR :** Fully comfortable rotating chair, Silent CE marked imported DC motor gives smooth up-down & back forward movement, Adjustable footrest which can be fully raised to sleeping, Foot switch for fluid up/dawn movement control. (Available in Right hand (Standard) & Left Hand models)

# Trial Lense Set

## 1). Deluxe Trial Case In Leather Briefcase

### FEATURES :-

Deluxe Model  
Consisting 225 lenses.  
+/- sph 32 pairs each.  
+/- cyl 20 pairs each.  
10 Prisms, 7 Accessories.



## 2). Illuminated Trail Case With Wooden Box Golden-Silver

### FEATURES :-

Reduced aperture lenses fitted in a nodi zed metal mounts.  
Deluxe Model  
Consisting 225 lenses.  
+/- sph 32 pairs each.  
+/- cyl 20 pairs each.  
10 Prisms, 7 Accessories.





### 3). Illuminated Trail Case With Wooden Box Red-Black

#### FEATURES :-

Reduced aperture lenses fitted in metal mounts with Powder Coated.  
Deluxe Model  
Consisting 225 lenses.  
+/- sph 32 pairs each.  
+/- cyl 20 pairs each.  
10 Prisms, 7 Accessories



### 4). Illuminated Trail Case With Wooden Box Red-Black

#### FEATURES :-

Reduced aperture lenses fitted in Plastic mounts.  
Deluxe Model  
Consisting 215 lenses.  
+/- sph 32 pairs each.  
+/- cyl 18 pairs each.  
8 Prisms, 7 Accessories.



## Slit lamp shin nippon Japan SLK 500



#### Convergence Optics

12degree convergence optics for easy image fusion. Newly designed optical alignment affording wider visibility in the eyepiece.



#### Built-In Yellow Filter

Internal yellow filter may be conveniently switched in/out quickly for fluorescein techniques.



### Wide Field & High Eye point Eyepiece Design

With our newly created wide field optics, we have successfully increased the actual field of view. Wider fields of view as 37,23, 14.6, 9.5 & 5.9mm are achieved. With the new high-point eyepiece feature, eye exams are performed in a more natural, comfortable manner.



### Centralized Control

Joystick with camera shutter control button, brightness control knob and locking control knob, routinely used functions all conveniently Localized in the joystick area for efficient, confident slit lamp control.



### Illumination Source

The new improved illumination pathway is created to increase overall luminance. The luminance output of the unit's 30W Halogen Lamp is comparable to our existing models with a 50W Halogen Lamp

### Expanded Slit Width & Height

A wider slit width & longer slit height capability are attractive features when combined with our new wide field optics.  
Slit width: 0-15mm  
Slit height: 0.5-15mm  
Diaphragm Sizes: 0.2 , 1, 3 , 5, 8, 15mm  
Background Illumination/Diffuser

### Centralized Control

Flexible back ground illumination and a diffuser that can be use easilly deployed, e.g. when sjooting.



### Improved Working Distance

Forward and back slit lamp movement is increase up to 100mm allowing retinal exams with diagnostic and therapeutic fundus lenses.



100mm

# SL-203

The acclaimed SL-203 is now upgraded (a stereotype eye lens tube). Equipped with the same illumination system as the SL-500. The main unit can now slide up to 100 mm, which makes the device brighter and more user-friendly. customizable in various ways to meet your needs, e.g. allowing digital camera to be added to the basic function.



## Illumination Unit

Slit Image Rotation : 0 to 180°  
Tilting Illumination : Up to 20°  
Filter Disc : Cobalt Filter, Green Filter, Yellow Filter Natural Density and Open Aperture  
Slit Disphragm Disc : Wedge Shaped Diaphragm Of Infinitely Variable Slit Lengths  
Halogen Lamp : 6 Volt 20 Watts

- tandard Accessories
- 15x Eyepieces
- Plastic Breath Shield
- Replacing Mirror
- Hruby Lens
- Dust Cover and Fuse
- Testing Rod
- Replacing Lamp one piece for illumination unit

## Optional Accessories

Power Table / Mechanical Table  
Optional accessories are listed as separate items in "Accessories" section under products, there brought separately.

# SL-102

The simple and easily operable SL-102 Also with upgraded illumination system and expanded slide travel of the main unit. A basic model for all users, allowing you to observe the eye quickly and correctly, even when multiple examinations are required.



## Slit Lamp Three Step

Slit Lamp Max features are computer designed, multi-coated optics that provide unsurpassed viewing of ocular structures, the operator's field of view is maximized for precise visualization of ocular defects at the periphery.

## Binocular Microscope

Eye Pieces : 10x, 15x  
Objective : 1x, 1.6x  
Total Magnification : 10x, 16x and 24x



## Motorized Table (Without Drawer)

### FEATURES :-

Dimension: 500(W)x500(D)x570(H)  
Weight: 29kg  
Highest: 880mm (±10mm)  
Lowest: 680mm (±10mm)  
Voltage: AC 110V or 220V (50/60Hz)  
Power: 75VA  
Fuse: 220V 5A (power) / 110V 7A (power)  
Table dimension: 480(W)x500(D)x24(T)





# A Scan Matronix

## Echo San-A-AP Function

- Show actual value and deviation at the same time
- Sensitive, convenient, accurate and fast measurement
- The Probe service life is long, better cost performance
- Point and surface point measurement display
- Cabinet and delicate foot switch, convenient operation

- Calculate the calibration value of intraocular pressure (after achieving accurate intraocular pressure)
- Ultrasonic velocity and offset is adjustable compare measuring results with other equipment easily.
- 5.7' color LCD touch screen, and user information can be easily input, more convenient and quick.



## Acrylic Chart



## Plastic Chart



## IOL Calculation

SRK-II, SRK-T, BINKHORST, HOLLADAY, HOFFER-Q, HAIGIS, any of two groups can control display. Calculate IOL, DEM, DAM, REEF, etc. And long term save 100 groups of measurement results of A scan.

A-SCAN Biometer measurement Integration of AL measurement and IOL Calculation. Reading average and standard deviation improve reading accuracy and liability . 4automatic measuring mod: Normal cataract. Aphakic and specila

# Ophthalmic Chart

## LED Chart

