

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 chinrest & headrest



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



LUCID`KR, Raised in the table shows

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

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



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.

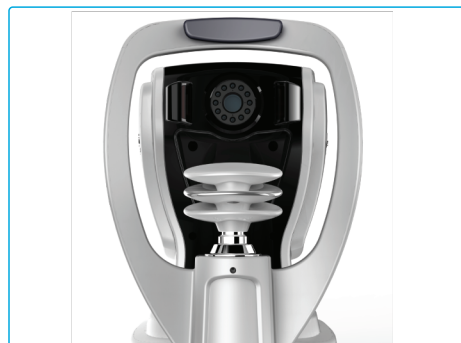
High Speed Printer with Easy loading & Auto Cutting

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

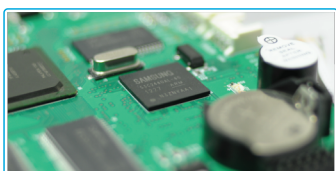


Refractive measurement with Hexagon prism & Highly sensitive CCD

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 | Tilttable wide 7 inch TFT LCD | |
| | Luminance 400cd/m2 | |
| | 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 | |