


Actual Size



VISIONARY PERFORMANCE

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AUTO KERATOMETER KM-500

A FRESH FRUIT OF NIDEK'S TECHNOLOGY

The NIDEK introduces a very unique keratometer, hand held and automatic keratometry with incredibly quick readings. This innovation offers a lot of convenience with wide observation window, clear target ring with blinking speed variation for quick alignment, easy-to-read LCD display for both R/L data, infrared full data transmission to the printer, 60 minutes continuous measurement with single 60 minutes recharging, accurate data, and special sagittal-K readings.



COMPACT AND LIGHTWEIGHT



- Only 730 grams.
- Bed side keratometry, or even for children KM-500 offers a wide capability.

WIDE WINDOW & LCD DISPLAY



- Binocular observation for easy and smooth alignment.
- Both R/L readings on the large LCD display.
- By means of back-light, measured value and parameters can be read easily even in dark room.

COMFORTABLE OBSERVATION



- Position KM-500 about 4 cm in front of the eye. Observe with about 30 cm distance comfortably.

SIMPLE OPERATION



- All operations are conducted with only five switches.
- Target ring starts blinking automatically for fine alignment. Then readings will be over with a beep.

SYSTEM CONFIGURATION



↑
HANDHELD TYPE



↑
SLIT LAMP JOINT TYPE

*Slide Base type under development.

SPECIAL FEATURE



- Sagittal radius measurement on the slit lamp arm. 4-LED fixation lamps at 25° angle against the keratometry axis.

DATA PRINTOUT & TRANSMISSION



- Hold KM-500 above the printer (optional), and press print button for infrared transmission to the printer.
- By using the exclusive printer, it can also output data to NIDEK US (Ultrasonic instrument) series, and even to your computers via RS-232C.

OPTIONAL ACCESSORIES



- Interface Cable (2 m)
- External Connecting Cable (For RS-232C Interface)
- Practice Eye

SPECIFICATIONS

Radius Curvature :

Range : 5.00 - 10.0 mm
Step : 0.01 mm

Refractive Power :

Range : 33.75 - 67.50 D (n=1.3375)
Step : 0.01 / 0.12 / 0.25 D

Astigmatism :

Range : 0 - ±10.00 D
Steps : 0.01 / 0.12 / 0.25 D

Axis :

Range : 0 - 180°
Step : 1°

Measuring Area :

3.3 mm (R=7.7 mm)

Eccentricity :

Range : -4.10 - ±2.05
Measuring Angle : Superior, inferior, temporal, nasal at an angle of 25° from the center (Slit Lamp joint type is recommendable)

Measuring Time :

0.1 sec. or less

Observation Window :

2X magnification
54 (W) x 16 (H) mm
2.1 (W) x 0.6 (H) "

Interface :

RS-232C

Power Requirements :

DC 6 - 25 V
(Main Body, Printer and Battery Charger)

Dimensions & Weight :

98 (W) x 86 (D) x 242 (H) mm / 730 g
3.9 (W) x 3.4 (D) x 9.5 (H) " / 1.6 lbs.
(Main Body plus Battery Pack)

Specifications and design are subject to change without notice for improvement.