



PalmScan PRO™ AK2000 A-Scan + Keratometer

The World's First PRO Tablet based A-Scan & Keratometer



Solutions that Fit

PalmScan A2000 PRO A-Scan + IOL Calculator

PalmScan K2000 Auto-Keratometer is the latest biometry device offered by MMD. It is a perfect complement to the PalmScan A2000 A-Scan device for measurement of patient biometry prior to cataract surgery. This handheld device connects directly to the provided tablet PC using a standard USB connector and allows for the measurement of corneal curvature and power at the central 3 mm zone. The Captured results are extremely accurate and are automatically integrated with the A2000 A-Scan device for quick IOL calculations and Lens selection. Each capture includes an image of the cornea which the user can utilize to minimize chances of errors. The Adjustable capture threshold ensures the device is capable of scanning all types of eyes.

**Handheld, Battery Powered, Mobile,
Extremely Accurate,
Fast, Efficient and Convenient**

Features

A-Scan

Accuracy - Acquires 8,192 sample points per waveform.

Immersion & Contact Settings - Advanced technology quickly captures a full set of Immersion or Contact scans in a few seconds. Both hard immersion shells (Prager Shell TM) and EZ tip soft immersion shells are supported.

E-Z Tip Immersion Shell - E-Z tip immersion shell drastically simplifies immersion biometry. Now you can perform immersion without reclining your patient or giving them a bath. Saves you time and increases your efficiency. The exclusive design of this shell sets us apart from all competition.

Latest (4) IOL Equations - Built-in IOL calculator supports 4 advance IOL equations with customizable lens library.

Post Refractive Correction of K's - Adjusting for post refractive results prior to cataract surgery, PalmScan supports 4 advance correction methods.

Ultrasonic Alignment Test (UAT) - Advanced software algorithms ensure visual axis alignment for consistent, reproducible and superior results.

Dense Cataract Penetration - Able to penetrate densest cataract lenses. The density of the cataract is no longer a limiting factor.

Corneal Compression Detection - This feature notifies the user when corneal compression is detected during contact biometry and significantly reduces contact measurement errors.



Keratometer

Fast Measurements

16 Point Keratometry

Built-in Fixation Light

Extremely light hand piece - weighs only 5 ounces

Displays and stores captured images to minimize errors

The following corneal parameters are measured and displayed:

Steep and Flat corneal power in diopters (K1, K2 Avg K)

Steep and Flat Radius of Curvature in millimeters (R1, R2, Avg R)

Benefits

Operating Room ready

Pediatrics friendly

Veterinarian usage

Astigmatic Measurements - providing Steep and Flat axis in degrees

Adjustable Keratometric Index

Standard Deviation with each capture

If used in conjunction with PalmScan A2000 A-Scan, it auto populates the keratometric values into the IOL Calculator

Specifications

SPECIFICATIONS	A-SCAN	SPECIFICATIONS	KERATOMETER
ACCURACY	± 25 µm	ACCURACY	±0.25 Diopters
RESOLUTION	± 10 µm	RANGE	35-60 Diopters
RANGE	15-40 mm	POWER DISSIPATION	850 mW
PROBE FREQUENCY	10 MHz	MEASUREMENT LOCATION	Central 3mm
SCAN TIME ON A SINGLE BATTERY CHARGE	6 hours	MEASUREMENT POINTS	16 Points



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