

Innovative Eyecare Technology with Foresight

UD1000 & 6000

[Ultrasound Technology]



- High Resolution Annular Array B-probe
- Automated Video Recording
- Area and Distance Measurement
- Touch Screen
- Memory Card
- Optional Diagnostic A-Scan
- A-Scan biometry (UD-6000 only)
 - Measure axial length and calculate IOL power
 - Five IOL formulas



The Tomey UD1000 & UD6000 UltraSound B-Scan & Biometer

- High Resolution, Annular Array B-probe
- Automated Video Recording
- Area & Distance Measurement

With features like touch screen control, automatic tone-assisted measurement and visual graphic displays, viewing and evaluating the retina, capsular angles and posterior chamber are almost effortless. The annular array B-probe, with its "Dynamic Multi-Focus System", scans near, middle and far points, unlike ordinary

single focus systems that scan only at a fixed distance. Instead of images of a single location, the Tomey UD-1000 provides detailed images of all ocular locations, (near, middle and far) at one time as a video file (the last 20 seconds or 202 images are saved automatically).

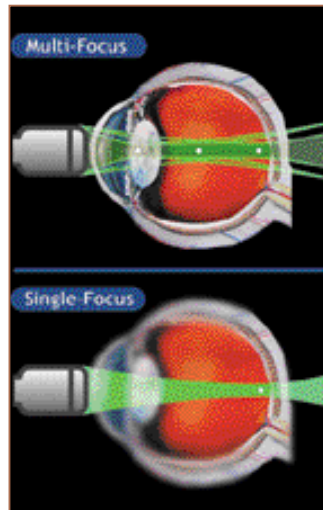
Innovative Eyecare Technology

UD1000 [Ultrasound B-Scan]

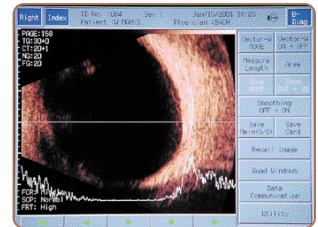
The UD-1000 incorporates the latest ultrasound technology for eyecare specialists. It is the ideal choice for the modern diagnostic laboratory. The UD-1000 provides B-Scan diagnosis, B-Scan axial length approximation and an optional A-Scan diagnostic function.

The touch screen operation is quick and intuitive, allowing you to easily change parameters, select options, and switch between save and play back the video images. Even the distance and area measurements are only a single touch away!

The "Dynamic Multi-Focus System" scans near, middle and far points, compared to ordinary single focus systems that scan at one fixed distance providing only images of a single location. The multi-focus probe delivers detailed images of all ocular locations (near, middle and far) at one time.



Dynamic Multi-Focus System



High Resolution Video Image

The UD-1000 automatically saves up to the last 20 seconds of data acquisition as a video file. The images can be recalled individually or played back in video sequence. The images may also be printed using the optional video printer and/or transferred to a computer. Patient data and images can be stored on the optional Memory Card.

Measure Axial Length to calculate IOL power • Five different formulas

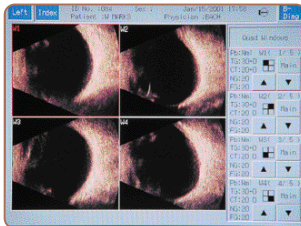
The Tomey UD-6000 incorporates all the B-Scan features of the UD-1000, plus the additional benefit of an A-Scan probe and software to measure axial length. IOL power can be calculated using this axial length with five different formulas: SRK/T, SRK II, Holladay, Haigis and Haigis Optimized. Use of the Biometry modality is simple and intuitive with the UD-6000 touch screen display.



with Foresight UD6000

[Ultrasound B Scan/Biometer]

The UD-6000 incorporates all of the B-Scan features of the UD-1000 such as storing the last 202 video images (last 20 seconds), but it also provides for a user-defined area to be superimposed on an image. The software then automatically calculates the corresponding dimensions. Additionally, the built-in zoom function enables detailed areas to be enlarged for study.



Multiple Video Imaging

The UD-6000 has a sophisticated A-Scan function that allows you to measure axial length and calculate IOL power using five formulas, SRK II, SRK/T, Holladay, Haigis and Haigis Optimized. Up to three lens constants and the corresponding IOL can be displayed for each formula.



A-Scan Functionality



UD1000 & 6000

[Ultrasound Technology]

The Tomey UD1000 and UD6000 Ultrasound B-Scan & Biometer.

Capture critical eye measurements with maximum precision and ease-of-use.



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[Specifications]

Measurement Ranges

Probe BIO frequency	10 MHz and optional 20MHz
Probe A-diag frequency	10 MHz
B-Scan picture	Vector based

Image Adjustment

Total gain	1-60 dB
Near gain	1-40 dB
Far gain	1-40 dB

Image Display Range

Sector angle	46.4 deg
Depth	34.5/46 mm
Vector A	117 lines, 460 points

Gray Scales

Zoom	256 move function
Measurement Accuracy	± 0.1 mm

Monitor

Recording	10.4 inches color LCD
	Thermal printer (UD 6000 only)
	Video outlet
	RS-232 Interface

Size

360 (W) x 427 (D) x 346 (H)

Power Supply

AC 100-240V, 50/60 Hz, 50 VA

UD6000

Biometer

IOL Storage Capacity

10
IOL Calculation Formula
Haigis, Haigis Optimized, Holladay, SRK-II, SRK-T

Measurement/Object Range

Axial length	15.00-35.00 mm
Anterior chamber Depth	1.80-7.00 mm

Eye Modes

Normal, dense cataract, aphakic, pseudophakic

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