One vision, Two sharp eyes with Our Innovation

AL-100

Biometer

Capturing Critical Eye Measurements
Maximum Precision and Ease-of-use

- Axial Length Measurement & IOL Power Calculation
- Easy-to-Use Touch Screen
- Automatic Tone-Assisted Measurement
- Compact & Lightweight
- Contact or Immersion Modes
- Built-in Printer
- Operator Adjustable Velocity
- 512K Memory Card (Optional)

TOMEY

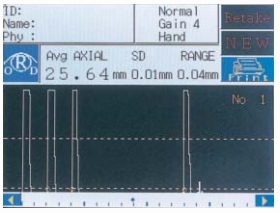
One vision, Two sharp eyes with Our Innovation

AL-100

Biometer

Measure Axial Length Quickly & Easily

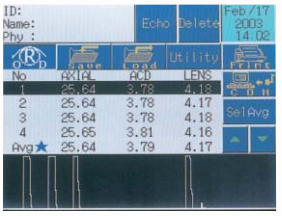
The AL-100 is designed for fast, simple operation. Tone-assisted measurement notifies the operator when the probe is aligned & measurements recorded. The AL-100 takes up to 10 readings, for use in the IOL calculation. The AL-100 measures axial lengths from 15-40mm with an accuracy of ±0.1mm & a resolution of 0.01mm. Eye modes include Normal, Aphakic, Pseudophakic & Dense Cataract. Pseudophakic mode is able to select three materials:Silicone, Acrylic and PMMA. Measurements may be acquired automatically or manually & in Contact or Immersion modes.



Clear spikes for accurate & reliable measurements.

IOL Power Calculations

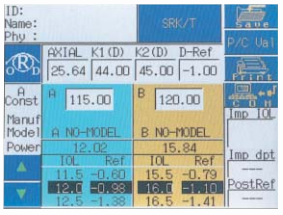
The AL-100 calculates IOL power with a vast array of formulas: SRK II, SRK/T, Holladay, Haigis Standard, Haigis Optimized & Showa. Other formulas may be added as well.
The AL-100 can display up to two lens constants & the corresponding IOL powers. Up to 10 lenses & lens constants can also be stored for use (along with the corresponding Surgeon Factor, SF).



Quick & easy date review.

Data Storage & Output

Entering patient & lens data is simple & direct with the large, easy-to-read touch screen. No more small or unattached keypads to make data entry a chore. The AL-100 also stores up to six patients in its internal memory & up to 240 patients in the optional 512Kb PC memory card.
The AL-100 also has built-in printer, which can print either a standard waveform & IOL calculation, for both eyes, or more complete printout with all of the measured & calculated data, for both eyes.
In addition, there is an RS-232C port for direct connection to a PC & the office database.



Easy comparison with different parameters.

AL-100 SPECIFICATIONS

Biometry / IOL Power Calculation

Measurement Range

Axial Length	15.00 – 40.00mm
Anterior Chamber Depth	1.8 – 7.0mm
Lens Thickness	2.0 – 6.0mm

Accuracy

Measurement Accuracy	± 0.1mm
Resolution	0.01mm

IOL Calculation

Formula	SRK II, SRK/T, HOLLADAY, SHOWA, HAIGIS Optimized, HAIGIS Standard

Biometry Probe

Type	Solid (with Immersion option)
Fixation Light	Built-in (Red LED)
Ultrasound Frequency	10 MHz
Diameter of the Tip	5.3mm
Size / Weight	8mm x 97mm / 30g (0.3 x 3.8″ / 1 oz.)

Main Body

STN Liquid Crystal Display	5.7 inches Color

Ultrasound Energy

Ispta3	Less than 17mW/cm2
Isppa3	Less than 28mW/cm2
MI	Less than 0.23
Dimensions	220mm (W) x 222mm (D) x 275mm (H) 8.7″ (W) x 8.7″ (D) x 10.8″ (H)
Weight	4kg (8.8lbs.)

Power Source

Voltage	AC 100 to 240V
Frequency	50/60 Hz
Power Consumption	42VA

TOMEY

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