

One vision, Two sharp eyes with Our Innovation

AL-4000

BIO & PACHY METER

New Handy Biometer / Pachy meter



- Axial Length & Corneal Thickness Measurements
- Compact Body
- Wireless Communication
- Rechargeable Battery with AC adapter
- Multiple IOL Power Calculation



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AL-4000

BIO & PACHY METER



- Axial Length Measurements with Waveform Display
- Pachymetry
- Compact Body
- Wireless Communication
- IOL Power Calculation with PC kit
- Ultrasound Technology
- Automatic Tone-Assisted Measurement
- Contact & Immersion Mode
- Wide Measurement Range
- Solid State Probes

AL-4000 SPECIFICATIONS

BIOMETRY(A-Scan)

Probe

Type	Solid state (Immersion Option)
Fixlight	Built into the probes(Red LED)
Transducer frequency	10MHz
Tip diameter	6.0mm ϕ (concave)
Dimension/Weight	14.0mm ϕ x 98mm/40g

Probe Modes

Contact, Immersion

Measurement Modes

Automatic	Hand-held, Chin Rest
Manual	Foot switch

Eye Modes

Dense Cataract, Aphakic,
Pseudophakic(Silicone, Acrylic & PMMA)
Normal

Measurement range

Axial length	13.00-45.00mm
ACD	1.50-7.00mm
Lens thickness	2.00-6.00mm
Accuracy	± 0.1 mm
Resolution	0.01mm

IOL Calculation Formulas

Main Unit / PC kit

SRK/T
SRKII
HOLLADAY
Hoffer Q
HAIGIS Standard
HAIGIS(Optimized)*
SHOWA*
Double K SRK/T*

*PC kit only

PACHYMETRY

Probe

Type	Solid state (Disposable Tip Option)
Transducer frequency	20MHz
Tip diameter	1.5mm ϕ with an angle of 45° (flat)
Dimension/Weight	8.8mm ϕ x 90mm / 30g

Bias setting range

60-130%
-600 - +450 μ m

Measurement range

	150-1,500 μ m
Accuracy	$\pm 5\mu$ m
Resolution	1 μ m

A-Scan Diagnosis

Probe

Type	Solid state
Transducer frequency	10MHz
Tip diameter	5mm ϕ (flat)
Dimension/Weight	8mm ϕ x 97mm / 30g

MAIN UNIT

Display 3.5 inch TFT color LCD

Dimension / Weight

109(W) x 52(D) x 166(H) /470g

AC adapter

Voltage 100-120/220-240 VAC

Frequency 50/60Hz

Power consumption

18/24 VA

Battery

Lithium ion Rechargeable battery



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