

One vision, Two sharp eyes with Our Innovation

# AL-4000

New Handy  
Biometer / Pachy meter

## BIO & 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 in the probe, Red LED
Transducer frequency	10MHz
Tip diameter	6.0mm $\phi$ (concave)
Dimension/Weight	14.0mm $\phi$ 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	1.80-7.00mm
Lens thickness	2.00-6.00mm
Accuracy	$\pm 0.1$ mm
Resolution	0.01mm

#### IOL Calculation Formulas

#### Main Unit

SRK/T

#### PC kit

SRK/T  
SRK II  
HOLLADAY  
Hoffer Q  
HAIGIS(Optimized, Standard)  
SHOWA  
Double K SRK/T

### PACHYMETRY

#### Probe

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

#### Bias setting range

60-130%  
-600 - +450  $\mu$ m

#### Measurement range

150-1,500  $\mu$ m

Accuracy  $\pm 5 \mu$ m

Resolution 1  $\mu$ m

### A-Scan Diagnosis

#### Probe

Type	Solid state
Transducer frequency	10MHz
Tip diameter	5mm $\phi$ (flat)
Dimension/Weight	8mm $\phi$ 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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