

# A-SCAN/BIOMETER AL-100

## COMPACT A-SCAN/BIOMETER

# DELIGHT IN SIGHT

Small but powerful.  
As well as easy and  
intuitively to use.



- Colour touch screen
- Contact / immersion mode
- Internal data storage
- Automated / manual measurement
- 6 IOL- calculation formula
- Memory card drive

 **TOMEY**  
TECHNOLOGY AND VISION

# THE TOMHEY COMPACT A-SCAN/BIOMETER AL-100



## QUALITY IN DETAIL

### Easy to use

The handling of the **AL-100** is very easy due to the clearly structured touch screen interface. You quickly learn how to use the system since the precise indicated icons are conveniently located and follow a logic way of operation. You can measure your patients' eyes by holding the probe in your hand or use the tonometer holder of your slitlamp. All measurements are audio assisted in any case.

### Compact and fully equipped

The ergonomic and compact design of the **AL-100** gives immediate and convenient access to all operator elements. You have the possibility to customize the unit according to your personal preferences. Six different users as well as 10 IOL's can be added. The patient data are imported with touch screen keyboards, which appear on the screen whenever they are needed. Moreover the **AL-100** will calculate your personal corresponding values according to your surgery data. With 6 different pre-set eye types and the adjustable velocity function, you are able to receive precise results, in contact or immersion mode.

### State of the art data management

In modern ophthalmology the handling of patient data is a very important factor. With the **AL-100** you can choose between 4 different data storage options:

- Conventional printout through built in printer
- Internal memory
- Built in, PC standardized memory card slot
- Integrated RS-232 port for data export

## SPECIFICATIONS

### AXIAL LENGTH MEASUREMENT

**Probe** 10 MHz (+/- 10%)  
**Eye type modes** Normal, dense cataract, aphakic, 3 x pseudophakic

### MEASUREMENT MODE

**Auto 1** Hand-held measurement  
**Auto 2** Measurement with chin rest  
**Auto 3** Foot switch

### MEASURING RANGE

**Axial length** 15 to 40 mm  
**ACD** 1.80 to 7.00 mm  
**Lens thickness** 2 to 6 mm

### MEASURING ACCURACY

**Accuracy** +/- 0.1 mm  
**Resolution** 0.01 mm  
**Sound function** Audio-assisted alignment and acquisition of data

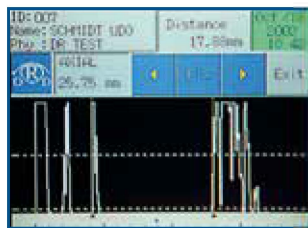
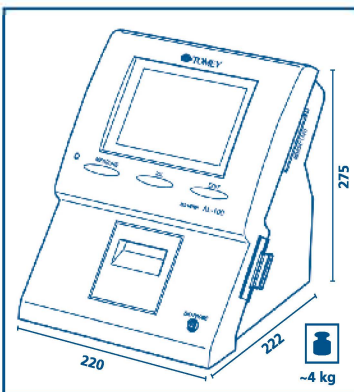
**Converted velocity** 800-3000 m/sec  
**IOL calculation formula** SRK - II, SRK - T, Showa, Holladay, Haigis optimized, Haigis standard

**Additional features** RS-232 port, patient data entry, data entry for up to 6 physicians up to 10 lenses  
**IOL storage capacity** 5.7" colour touch screen  
**Printer** Built in printer (incl. paper save function)  
**Data storage** Internal memory and (optional) memory card  
**Safety guidelines** FDA 510 (K), IEC 1102

### DIMENSION & ELECTRIC REQUIREMENTS

**Dimensions WDH** 220 x 222 x 275 mm  
**Weight** Approx. 4.0 kg  
**Voltage** AC 100 V to 240 V  
**Frequency** 50 / 60 Hz  
**Power consumption** Less than 42 VA

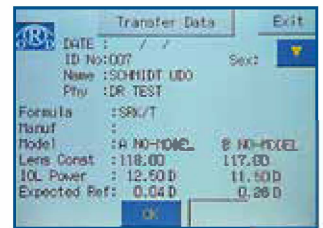
## DIMENSIONS



The touch screen allows you to move quickly through the menu



The AL-100 provides full access to ultrasound velocities



Comfortable data transfer to memory card or RS-232 port

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