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 TOMEY 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-setted 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

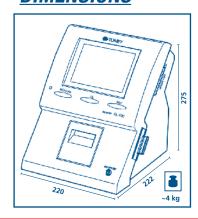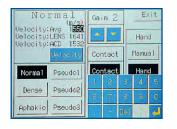|			
Probe	10 MHz (+/- 10%)	**Converted velocity**	800-3000 m/sec
Eye type modes	Normal, dense cataract, aphakic, 3 x pseudophakic	**IOL calculation formula**	SRK - II, SRK - T, Showa, Holladay, Haigis optimized, Haigis standard
MEASUREMENT MODE		**Additional features**	RS-232 port, patient data entry, data entry for up to 6 physicans
Auto 1	Hand-held measurement		
Auto 2	Measurement with chin rest	**IOL storage capacity**	up to 10 lenses
Auto 3	Foot switch	**Display**	5.7 " colour touch screen
		Printer	Built in printer (incl. paper save function)
MEASURING RANGE		**Data storage**	Internal memory and (optional) memory card
Axial length	15 to 40 mm	**Safety guidelines**	FDA 510 (K), IEC 1102
ACD	1.80 to 7.00 mm		
Lens thickness	2 to 6 mm	**DIMENSION & ELECTRIC REQUIREMENTS**	
		Dimensions WDH	220 x 222 x 275 mm
MEASURING ACCURACY		**Weight**	Approx. 4.0 kg
Accuracy	+/- 0.1 mm	**Voltage**	AC 100 V to 240 V
Resolution	0.01 mm	**Frequency**	50 / 60 Hz
Sound function	Audio-assisted alignment and acquisition of data	**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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