

Dedicated in Ophthalmology

Features

- Accurate measurements under both Contact and Immersion modes
- Extreme ease of use with touch screen
- Automatic / manual modes
- Auto gain control
- Built-in thermal printer
- Portable & ergonomic design



PROFESSIONAL ULTRASOUND



A-Biometer



Pachymeter



A-Biometer / Pachymeter

ACCESSORIES



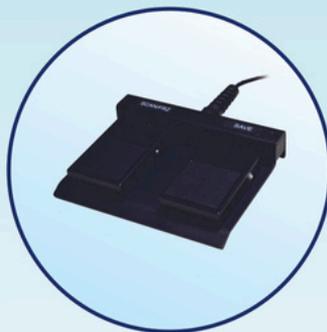
10MHz A-probe



20MHz straight P-probe



20MHz angled P-probe



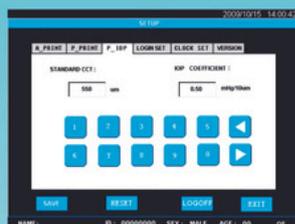
Footswitch



PACHYMETRY



Accurate Results
Automatic reading at single or multiple points for corneal thickness; Multiple measurements at single point for higher reliability; Higher accuracy enabled by averaging readings.

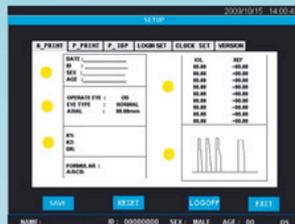


IOP Adjustment
Intraocular pressure adjustment provides reference for tonometer measurement; Parameter adjustability based on user's experience.

MANAGEMENT



Patient Management
Built-in data archiving capability for storage of up to 180 patient records.



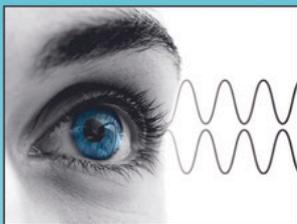
User-defined Preference
Users are free to define acoustic velocities, IOP parameters and printing options.



Instant Printout
Single click print-out enabled by in-built thermal printer; User-defined print-out options.



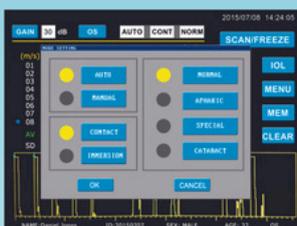
A-BIOMETRY



Precise & Accurate
A-Scan precision and accuracy, under both cataract and immersion mode, are ensured by MEDA's mature technology and professional expertise in ophthalmic field.



Reliable
Up to 8 groups of readings automatically measured per each group, with averaging and standard deviation for a higher level of reliability.



Comprehensive
Automatic measurements for 4 different eye types: Normal, Cataract, Aphakic and Special. Manual measurement also available.



Convenient
Touch screen and footswitch equipped to enable smooth operations.

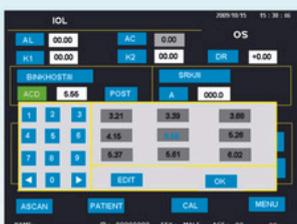
IOL



IOL Formulae
6 popular formulae for IOL calculation; 5 major formulae for post-refractive IOL calculation.



Intuitive Interface
Instant switch among different formulae; Dual-formula display for direct result comparison.



Simple Operations
Higher accessibility of database; Single-click for instant print-out.



Tight Integration
Easy access between A-scan and IOL; Axial length automatically imported from A-scan measurement.

SPECIFICATIONS:

- Probe: 10 MHz with fixation Red LED light
- Total Gain: 100dB with an adjustable range of 0~50dB
- Biometry Accuracy: $\pm 0.05\text{mm}$
- Resolution: 0.01mm
- Measuring Range: 0mm ~ 40mm
- Measuring Mode: Contact or Immersion
- Measuring Parameters: Anterior chamber depth, Lens thickness, Vitreous length, Configurable velocities
- Measuring Modes: Phakic (Normal), Aphakic, Cataract, Dense Cataract, Pseudophakic
- 8 Groups of Readings with Averaging & Standard Deviation
- Calibration method: Automatic Calibration Through Calibration Cylinder (Dummy Eye)

Standard Configuration

- 10MHz A probe
- 20MHz P probe
- Footswitch
- Test Object
- AC Adapter

Optional

- Immersion Shell

IOL Calculation

- | | | |
|-------------------|--------------------|----------------|
| • General | SRK-II | SRK-T |
| | BINK-II | HOLLADAY |
| | HOFFER-Q | HAIGIS |
| • Post-Refractive | History-derived | Double K/SRK-T |
| | Refraction-derived | ROSA |
| | SHAMMAS | |

Pachymeter

- Probe Frequency: 15~20MHz
- Display Resolution: 1 μm
- Biometry Accuracy: $\pm 5\mu\text{m}$
- Measuring Scope: 230~1200 μm
- Multiple Corneal Maps with Graphical Display

General

- Power Supply: AC 100 ~ 240V, 50/60Hz, 50VA
- Dimension: 337mm x 177mm x 155mm (L x W x H)
- Weight: 1.7Kg



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