

MD-1000A

MD-1000P

MD-1000A/P

Ultrasonic Biometer for Ophthalmology



Dedicated in Ophthalmology

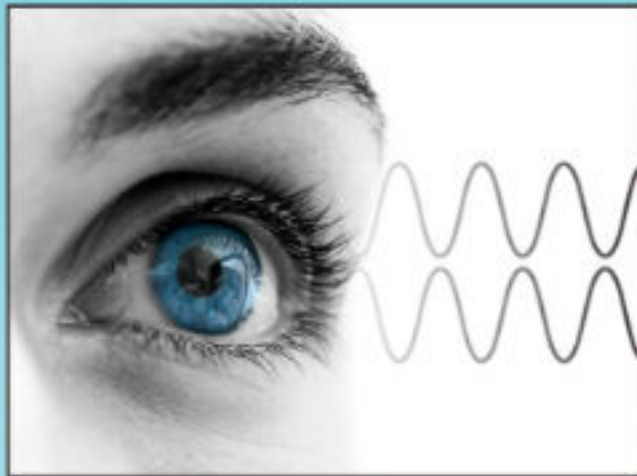
Features

- 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





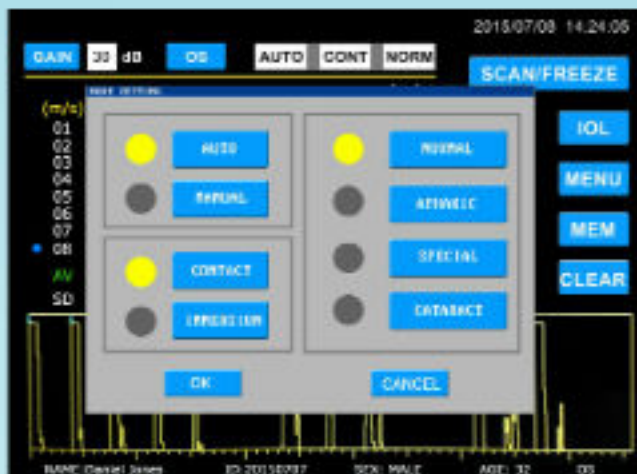
A-BIOMETRY



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.

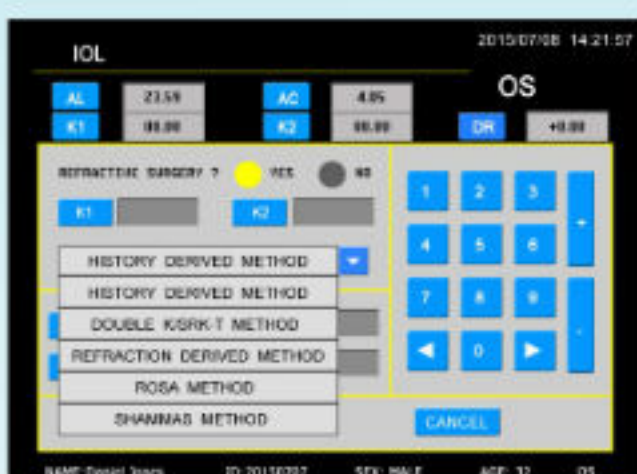


Comprehensive
Automatic measurements for 4 different eye types: Normal, Cataract, Aphakic and Special. Manual measurement also available.



Convenient
Touch screen and footswitch equipped to enable smooth operations.

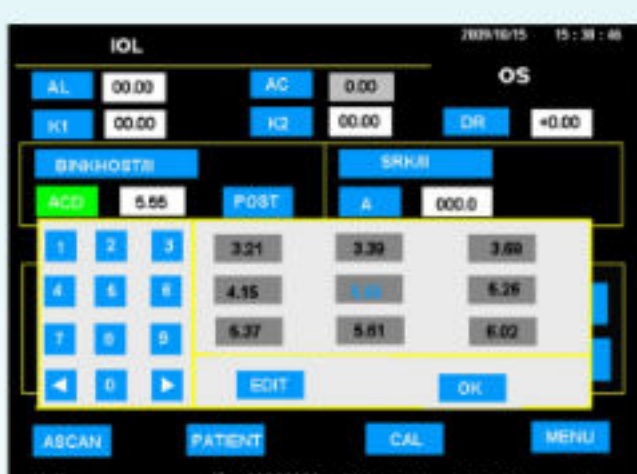
IOL



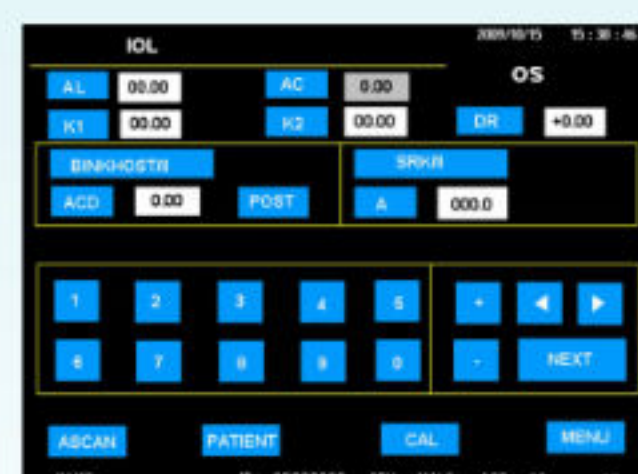
IOL Formulae
6 popular formulae for IOL calculation;
5 major formulae for post-refractive IOL calculation.



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



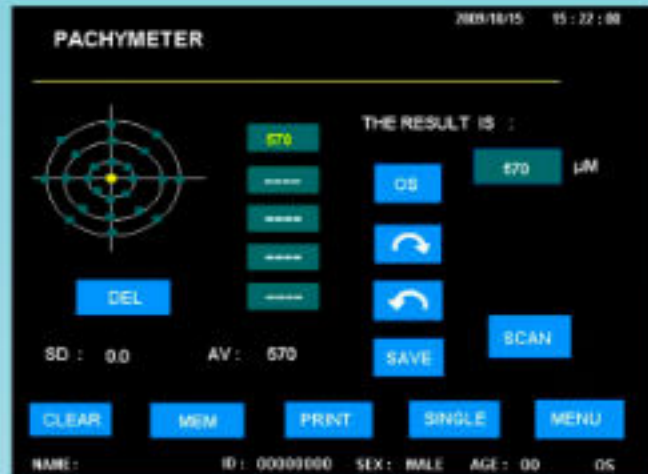
Simple Operations
Higher accessibility of database;
Single-click for instant print-out.



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

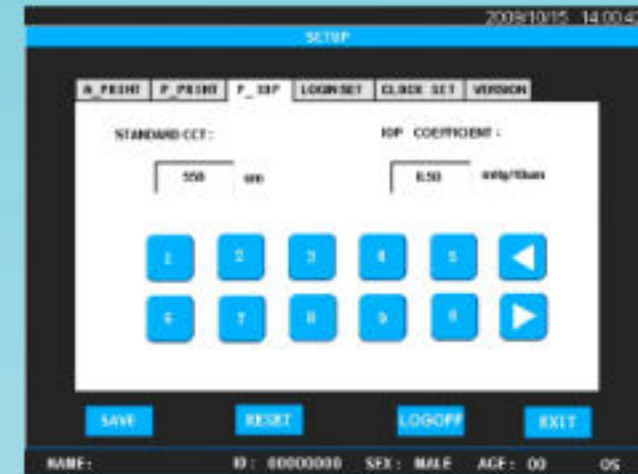


PACHYMETRY



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

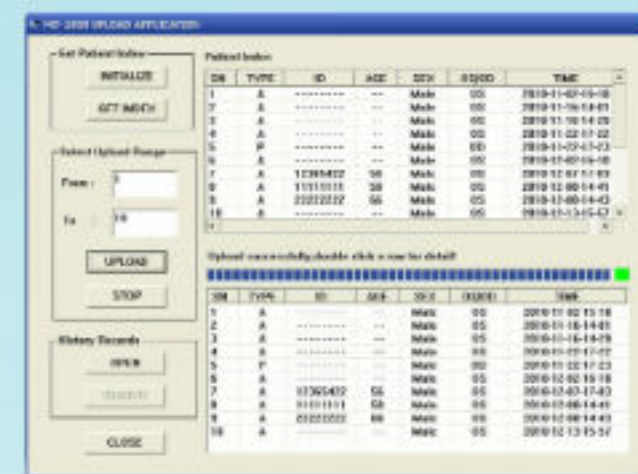
Intraocular pressure adjustment provides reference for tonometer measurement; Parameter adjustability based on user's experience.

MANAGEMENT



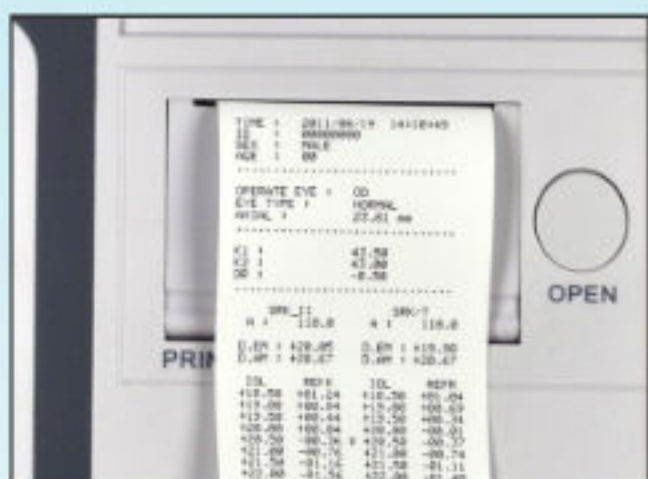
Patient Management

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



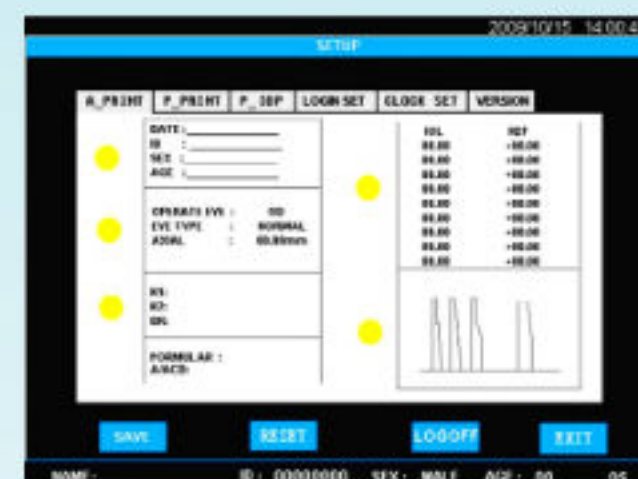
PC Connectivity

Uploading application software developed to allow for communications with PC and unlimited storage capability.



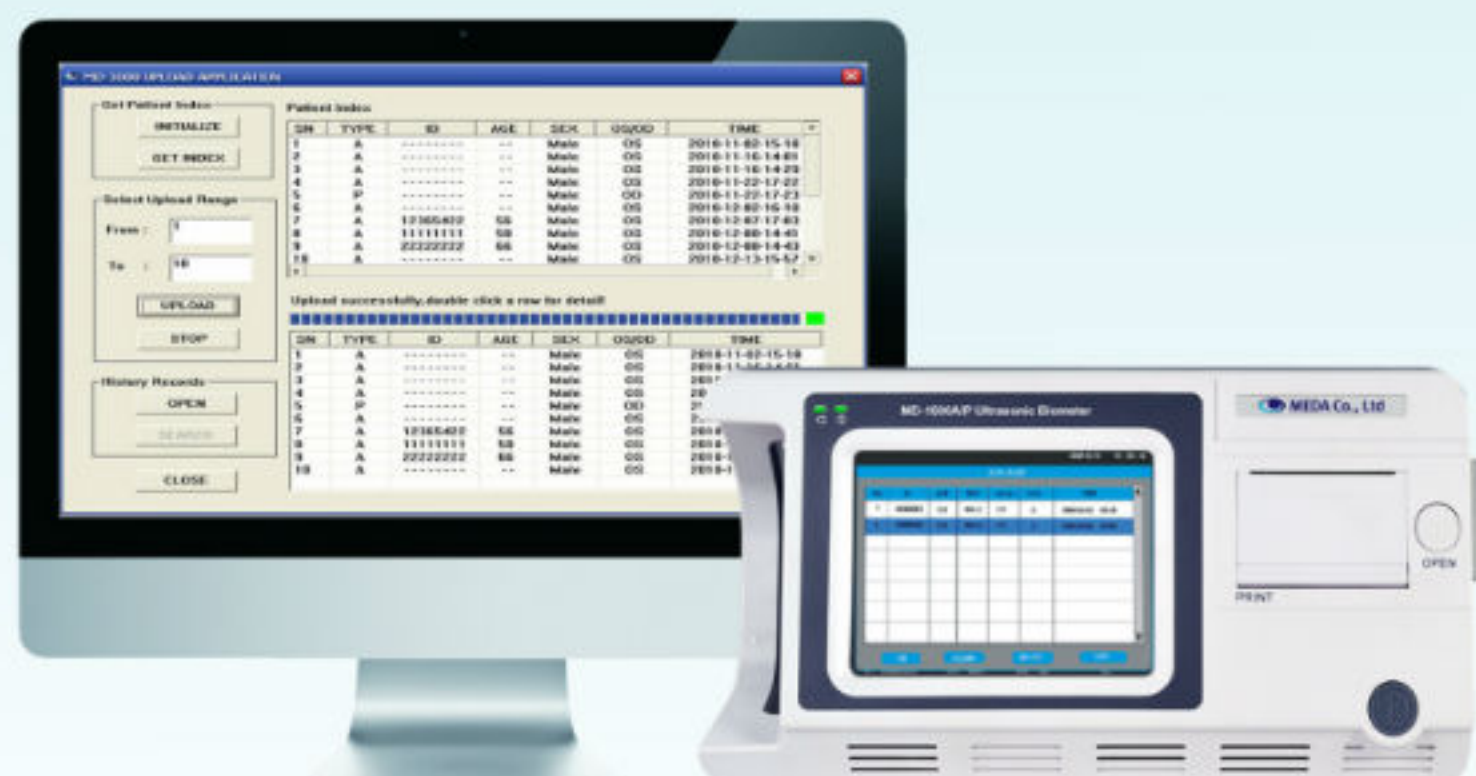
Instant Printout

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



User-defined Preference

Users are free to define acoustic velocities, IOP parameters and printing options.



PROFESSIONAL ULTRASOUND



A-Biometer



Pachymeter



A-Biometer / Pachymeter

ACCESSORIES



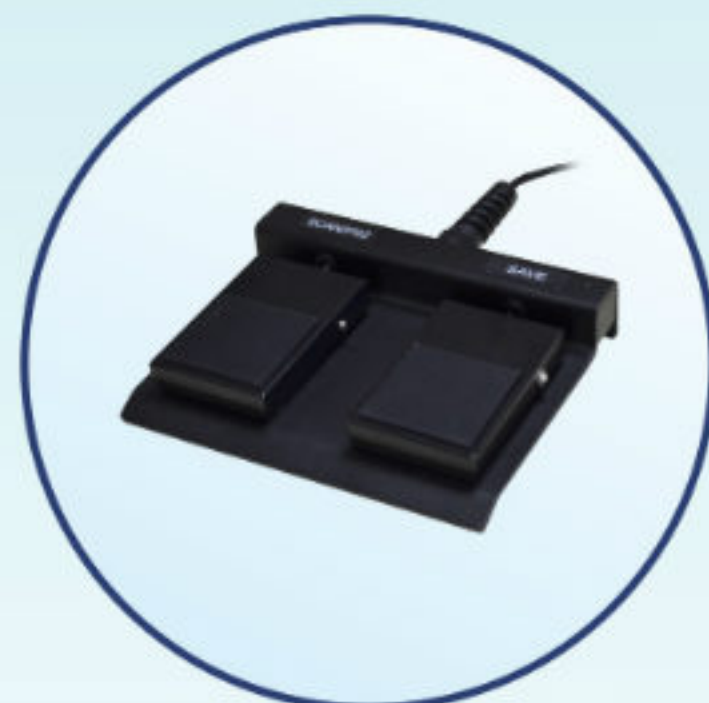
10MHz A-probe



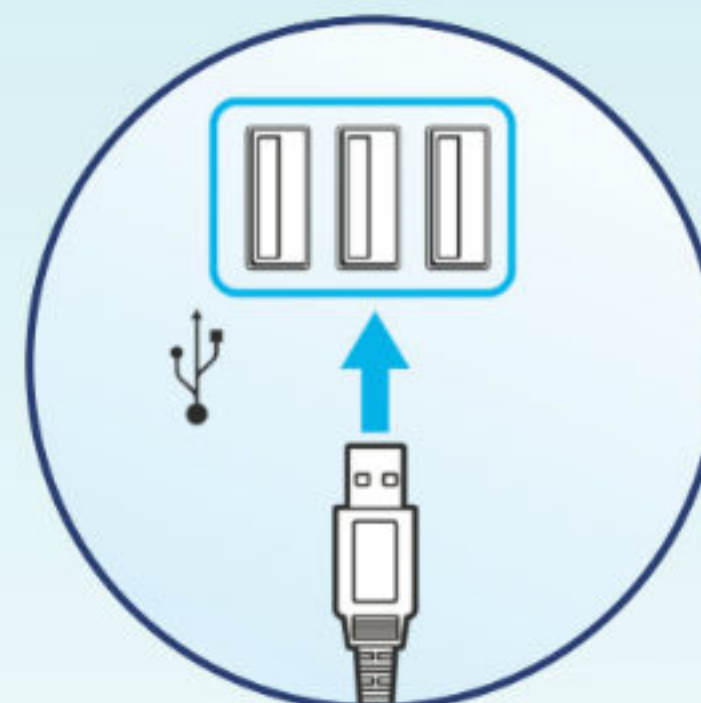
20MHz straight P-probe



20MHz angled P-probe



Footswitch



PC Suite

SPECIFICATIONS:

A-Scan (MD-1000A & MD-1000A/P)

- Probe: 10MHz with Fixation Red Light
- Total Gain: 100dB with an adjustable range of 0~50dB
- Biometry Accuracy: $\pm 0.05\text{mm}$
- Resolution: 0.01mm
- Measuring Range: 15~40mm
- Measuring Mode: Contact or Immersion
- Measuring Parameters: Anterior Chamber Depth, Lens Thickness, Vitreous Length and Axial Length
- Measuring Modes: Automatic (Normal, Cataract, Aphakic and Special), and Manual
- 8 Groups of Readings with Averaging & Standard Deviation

Standard Configuration

- 10MHz A probe (MD-1000A & MD-1000A/P)
- 20MHz P Probe (MD-1000P & MD-1000A/P)
- Footswitch
- Test Object
- PC Suite
- AC Adapter

Optional

- PC Suite
- Immersion Shell

IOL Calculation

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

Pachymeter (MD-1000A & MD-1000A/P)

- Probe Frequency: 15~20MHz
- Display Resolution: $1\mu\text{m}$
- 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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