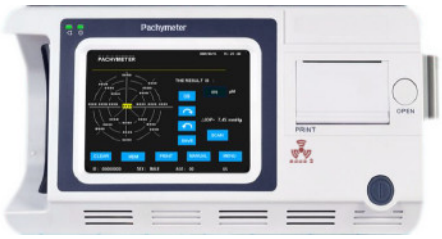
ESMD-1000

Pachymetry and Biometry devices

- Precise measurement with both immersion & contact mode
- Color LCD Touch screen display, extremely easy to use
- Portable & sleek design
- Built-in thermal printer
- Auto/Manual modes
- Auto gain control

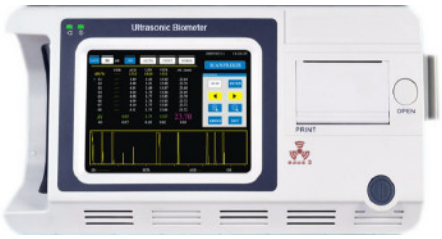
Cod. ESMD-1000P

Pachymeter device



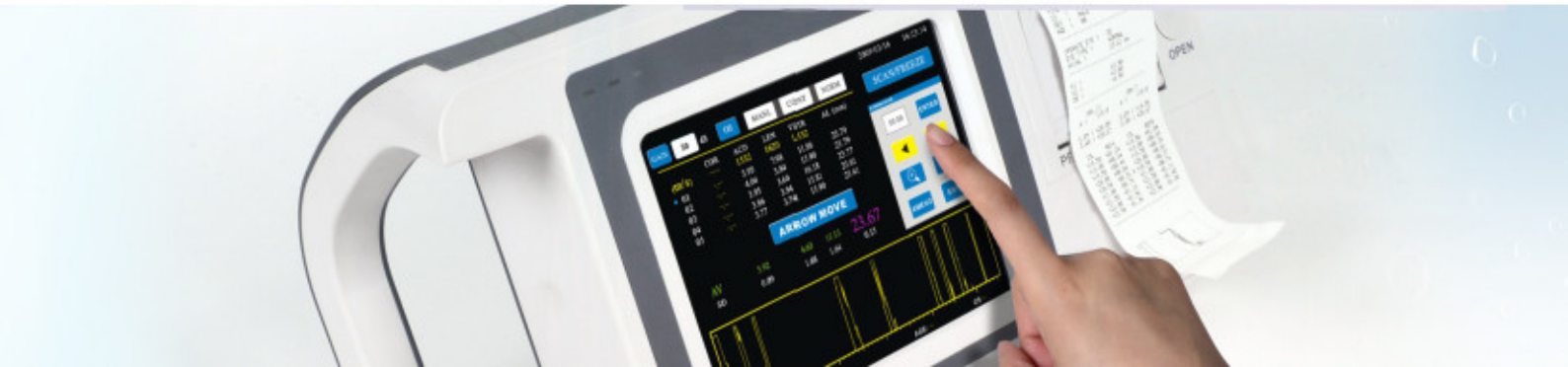
Cod. ESMD-1000A

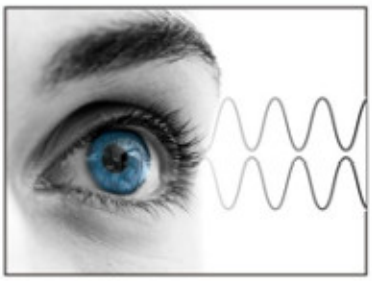
A-Scan Ultrasonic Biometer device



Cod. ESMD-1000AP

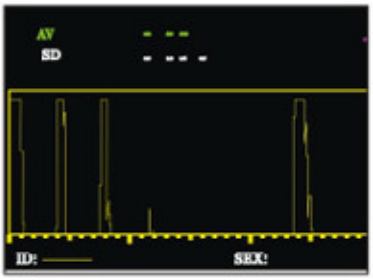
A-Scan Ultrasonic Biometer and Pachymeter device





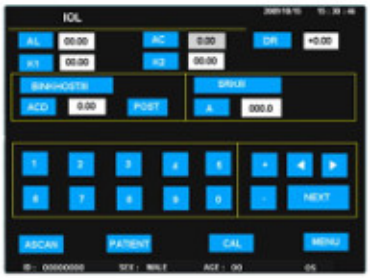
A-SCAN Precise and accurate
A-scan measurement

A-SCAN Automatic Reading
Automatic measure system,
8 readings for one group.
Users can manually adjust the reading results during the automatic measuring



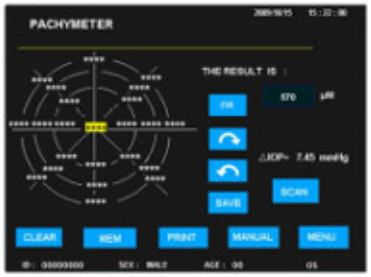
A-SCAN S.D. Function
ESMD-1000A and ESMD-1000AP provide S.D.(Standard Deviation) to help evaluate reading reliability.

A-SCAN Splendid Measuring Mode
Contact & Immersion measuring mode. Automatic reading with 4 different modes: Normal, Cataract, Aphakic and Special.
Manual measuring available.



A-SCAN IOL Calculation
6 IOL formulas for IOL calculation.
Instant formula switch.
Automatic Axial Length import.
Touch Screen input Parameters.

A-SCAN
IOL Calculation
Dual formulas display for results comparison.
Easy access to database.
One instant printout button.



PACHYMETER
Accurate Measurement
Automatic reading for cornea thickness. Multiple or single reading point. Multiple measurements for single point cornea thickness.
Average reading sharply increases the accuracy.

PACHYMETER IOP (Intraocular Pressure) Adjustment
Provides reference for tonometer measurement.
Adjustable parameters according to users' experience.

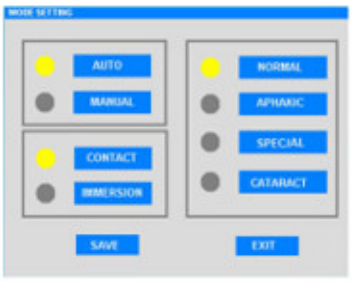
Patient Management
Built-in data archive for permanent memory of 180 patients' records.

Instant Printout
Instant printout by built-in thermal printer.
User-defined printing options.

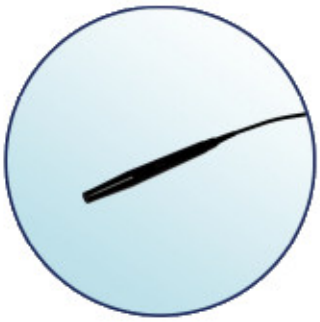
PC Connection
Uploading application software is developed to enable communication with PC and massive storage capability.

User-defined Interface

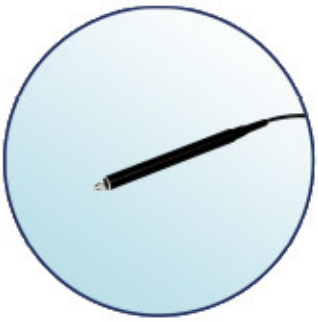
User may define acoustic velocity, lOP parameters, printing option etc.



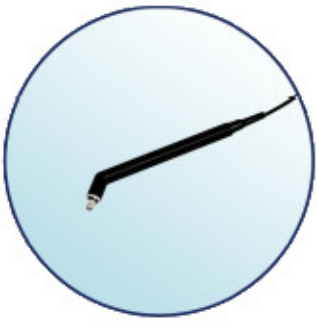
ACCESSORIES



10MHz A-probe

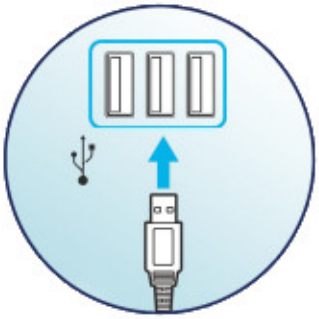


20MHz steaight P-probe

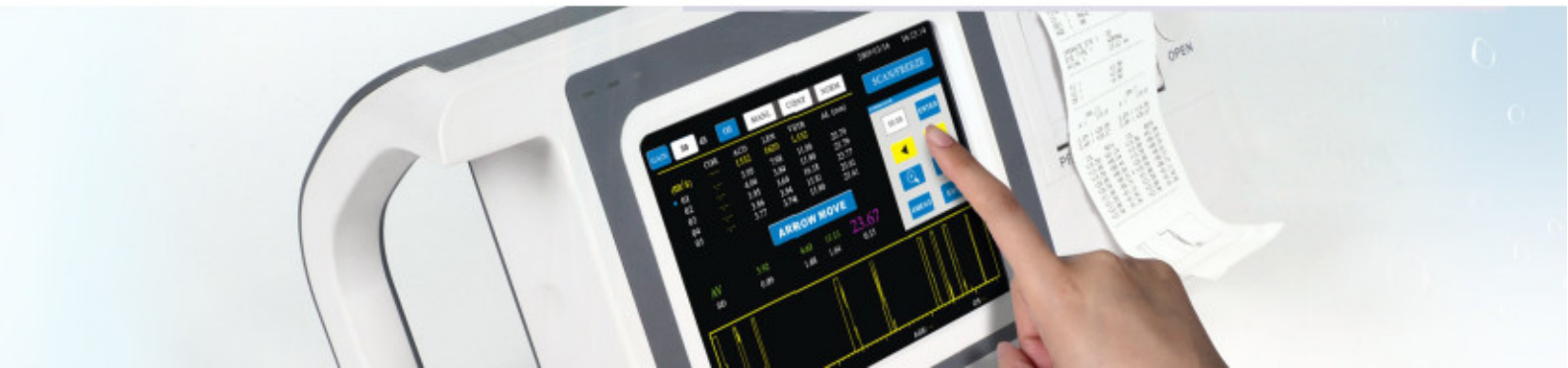


20MHz angled P-probe

Footswitch



PC Suite



CARACTERISTIQUES TECHNIQUES

A-Scan (only for ESMD-1000A & ESMD-1000 AP)

- Probe: 10MHz with Fixation Red Light
- Total Gain: 100dB with an adjustable range of 0~50dB
- Biometry Accuracy: ≤ ±0,05mm
- Resolution: 0,01mm
- Measuring Range: 15~40mm
- Measuring Mode: Contact, Immersion mode
- Measuring Parameters: Anterior Chamber Depth, lens Thickness, Vitreous length and Axial length.
- 5 Different Measuring Modes: Automatic (for Normal, Cataract, Aphakic and Special), and Manual
- 8 Groups of Readings for Average, SD
- IOL Formula: SRK-T, SRK-II, BINKHOST-11, HOLLADAY, HOFFER-Q and HAIGIS

Pachymeter (only for ESMD-1000P & ESMD-1000AP)

- Probe Frequency: 15~20MHz
- Display Resolution: 1 µm
- Biometry Accuracy: ≤ 5 µm
- Measuring Scope: 230~1200 µm
- Multiple Corneal Maps with Graphical Display

Others

- Power Supply: AC 100~240V, 50/60Hz, 50VA
- Dimension: 337 x 177 x 155 mm (L x W x H)
- Weight: 1,7Kg

Standard Configuration:

Main Unit:
- ESMD-1000A A-Biometer only
- ESMD-1000P Pachymeter only
- ESMD-1000AP Biometer

Probe:
- 10MHz A probe (ESMD-1000A, ESMD-1000AP)
- 20MHz P Probe (ESMD-1000P, ESMD-1000AP)
- Footswitch
- Test Object
- PC Suite
- AC Adapter

CE

ESSE3 srl, Via Garibaldi 30
14022 Castelnuovo D.B. (AT)
Tel +39 011 99 27 706
Fax +39 011 99 27 506
e-mail esse3@chierinet.it
web: www.esse3-medical.com

ISO 9001
ISO 13485