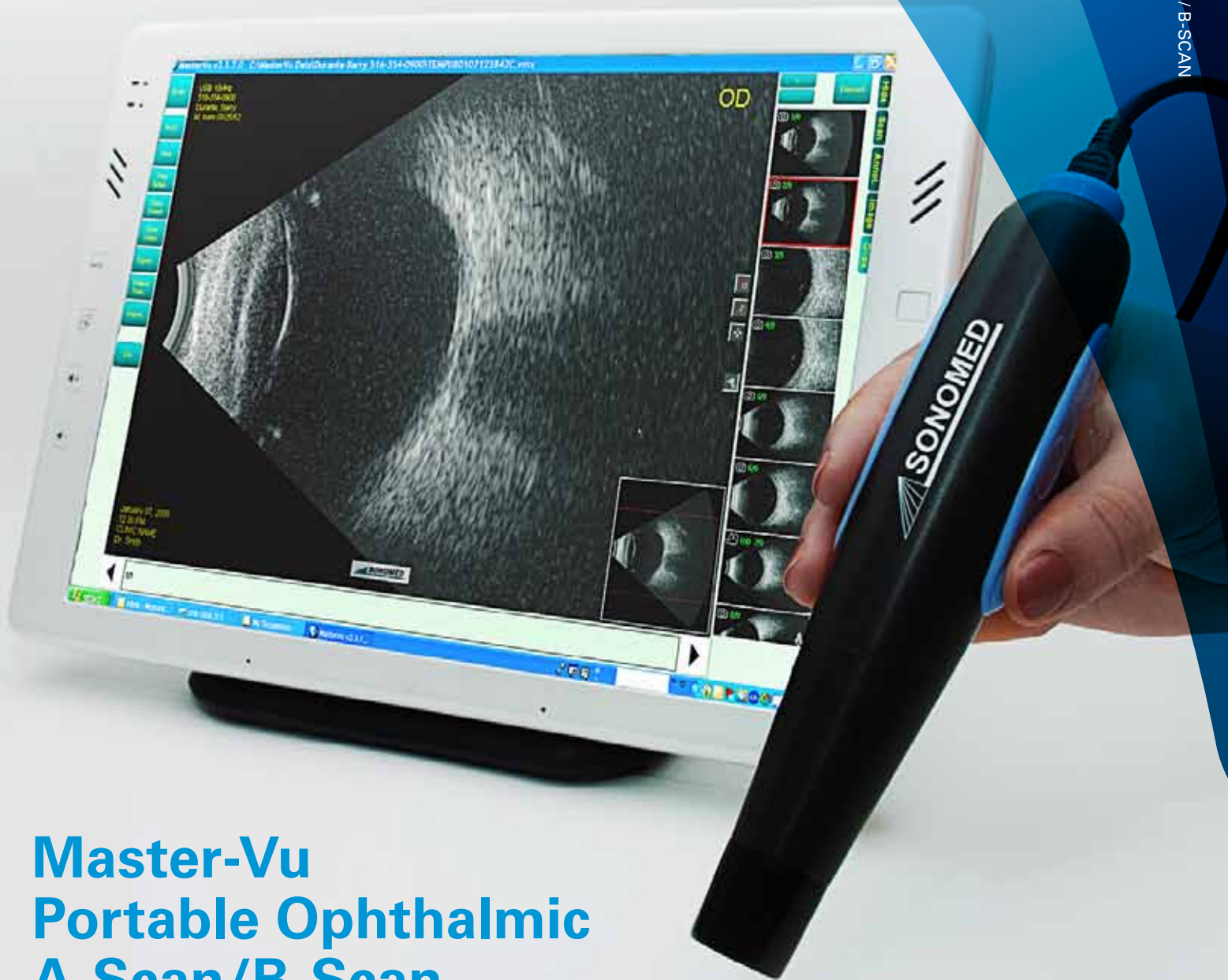




Sonomed Escalon™

MASTER-VU
PORTABLE OPHTHALMIC A-SCAN / B-SCAN



Master-Vu Portable Ophthalmic A-Scan/B-Scan

Features:

Portable for Use on Multiple Computers Quick and Easy USB Connection to PC Powerful and Intuitive Master-Vu Software

1. General:

Models:

- MV5600 Master-Vu B-Scan
- MV4500 Master-Vu A-Scan

Features:

- Quick and Easy USB Connection
- Touch Screen Compatible
- Integrated Patient Database
- Intuitive and Powerful Software
- Personalized Exam Reports

2. A-Scan:

Scan Modes:

- Direct Contact / Immersion
- 5 Examination Modes:
 - Cataract
 - Dense Cataract
 - Aphakic
 - Pseudophakic (5 settings)
 - Manual
- Review Screen for A-Scan Measurement

Measurements:

- ACD, Lens, Vitreous, and AXL
- Individual Zone Velocities
- Average with Standard Deviations

Specifications:

- Clinical Accuracy $\pm 0.1\text{mm}$
- Electrical Accuracy $\pm 0.032\text{mm}$
- Lens Calculations in 0.25D Increments
- 1600 Lens Database

Formulas:

- Available IOL Formulas:
 - Binkhorst
 - Regression-II
 - Theoretic/T
 - Holladay
 - Hoffer-Q
 - Haigis
- Post-Refractive IOL Formulas:
 - Laskany Myopic Regression
 - Laskany Hyperopic
 - Aramberri Double-K

A-Scan Probe Styles:

- Standard A-Scan Probe for Hand-Held, Immersion, or Slit Lamp Mounted Application
- Soft-Touch A-Scan Probe for Hand-Held Use Minimizing Corneal Compression

3. B-Scan:

Probe:

- Transducer Frequency: 12MHz
- On-Probe Activation Switch

Tools:

- Adjustable Zoom, Pan, and Area Select
- Brightness and Contrast Control
- Near/Mid/Far Gain Control
- On-Screen Annotation

Data Acquisition and Display:

- Scanning Method: Sector
- Frame: 60°, 256 lines, 2000 Samples/Line
- Frame Rate: 30 fps (max)
- Adjustable Acoustic Output for Improved Penetration (Scan Depth: 30-60 mm)
- Capture Frames (.bmp or .jpg) or Video Clips up to 100 Frames (.wmv)
- 256 Levels Gray Scale

Measurements:

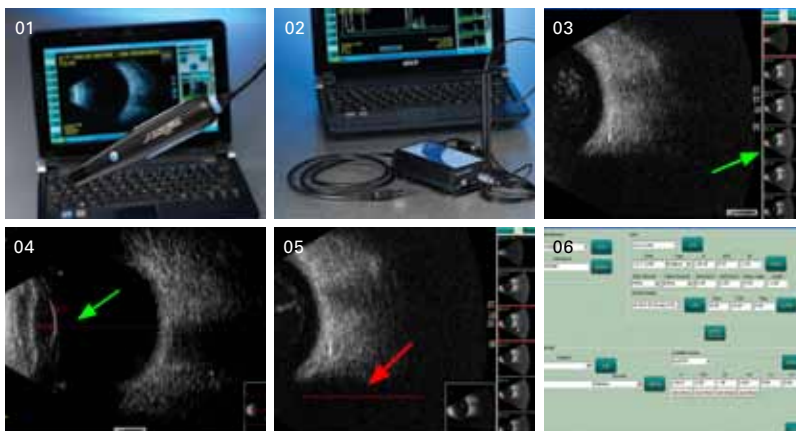
- Distance:
 - Multiple Calipers
 - Precision: 0.046 mm
- Angle:
 - Multiple Calipers and Vertex
 - Precision: 1/2°

Resolution:

- Electronic: 0.015mm (max)
- Clinical: 0.1mm

Data Management:

- Frames (.bmp or .jpg)
- Video Clips up to 100 Frames (.wmv)



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- 01 Master-Vu B-Scan
 - 02 Master-Vu A-Scan
 - 03 Easy Navigation of Thumbnail Images and Clips
 - 04 Caliper Tools for Multiple Simultaneous Distance and Angle Measurements
 - 05 On Screen Annotation
 - 06 IOL Comparisons with Extensive EZ-Lens Database
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