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

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 ±0.1mm
- Electrical Accuracy ±0.032mm
- 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:
    - Latkany Myopic Regression
    - Latkany 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

Specifications:
- Clinical Accuracy ±0.1mm
- Electrical Accuracy ±0.032mm
- Lens Calculations in 0.25D Increments
- 1600 Lens Database

Formulas:
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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)

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

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

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

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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