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:
• 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)