

# Summit Doppler™

## Highly Accurate Vista AVS® and ABI™ Systems Offer Ease of Use



### Performs up to Four Exams for Optimum Versatility

Vista Series Dopplers offer more modalities for quickly obtaining the ankle-brachial index (ABI) and aiding in the detection of peripheral arterial disease (PAD). The Vista AVS system performs segmental exams, to help locate blockages or narrowing in the vessels after initial single-level ABI testing.

The Vista systems feature:

- Fast, automatic cuff inflation/deflation and highly accurate ABI calculations
- Graphic waveform display with easy-to-follow test sequences
- Sensitive bi-directional 8 MHz Doppler probe for surface vessels or optional 5 MHz probe for deeper vessels (bi-directional probes are capable of obtaining waveforms)
- Obtains dual-ankle pressures at posterior tibial (PT) and dorsalis pedis (DP) arteries
- Pulse volume recording (PVR) can be used to obtain peripheral arterial waveforms with blood pressure cuffs
- PPG probe standard for performing TBI exams on patients with non-compressible arteries as well as at the toe site for segmental studies. (Optional on Vista ABI)
- Software for reporting, annotating, storage, printing, and interfacing with EMR (optional feature on the Vista ABI)

Vista ABI System: Performs single-level ABI exams with the option to add PPG probe for TBI and comes with 4 blood pressure cuffs — (2) 10 cm and (2) 12 cm.

Vista AVS System: Next-level system performs a total of four exam types, including single-level ABI, seated ABI, TBI, and segmental exams and comes with 9 blood pressure cuffs — (2) 10 cm, (4) 12 cm, (2) 17 cm, and (1) digit cuff.



Bi-Directional Probe



Cuff Selector

# Summit Doppler™

## Specifications

### Display Screen

- Size: 5.7 in., ¼ VGA (320 x 240 dot)
- Backlight: LED backlight
- Type: Transflective monochrome

### Device Dimensions

- Width: 12 in.
- Depth: 3.6 in.
- Height: 10 in.
- Weight: 4.75 lbs.
- Stand Height: 47 in.

### Electrical Power

- Type: Medical grade supply
- Rated Mains Supply Voltage: 100–240 VAC, 50–60 Hz, 1.2A
- Output: +7V, 5A

### Battery

- Type: 6-cell NiMH pack
- Rating: 7.2V, 2000 mAh
- Replacement Part Number: BAT0004
- Battery Life: Three hours continuous use or minimum of 12 ABI Exams
- Replacement Interval: 1 year
- Charge Time: 3 hours

### Doppler

- Doppler Type: Bi-directional, Continuous-wave (CW)
- Audio Bandwidth: >4 KHz
- Waveform Display: Digital mean frequency estimator; separate forward and reverse flow waveforms
- Available Probe Frequencies: 8.43 MHz, 5.5 MHz
- Displayed Waveform Amplitude Accuracy: +/-10%
- Speaker Output: > 0.25 W
- Speaker Type: 2 in., 5 W
- Cable Length: 6.5 ft.
- Volume Control: Continuously variable with mute

### Photoplethysmography (PPG) (Optional on Vista ABI)

- Wavelength: 940 nm
- Artifact Rejection: Synchronous demodulation, AC-coupled output
- Operating Frequency: 1 KHz
- Cable Length: 6.5 ft.

### Pressure

- Range: 0 – 265 mmHg
- Accuracy: +/-3 mmHg 0 – 200 mmHg, +/-2% above 200 mmHg
- Bleed Rate: 2.5 mmHg/sec nominal
- PVR: 0.16 to 12.5 Hz bandwidth, AC-coupled

Item #	Description	
L500VA	A Full-featured ABI/Vascular System	CE
L450VA	Vista ABI System	CE
L450PG	PPG Package (For Vista ABI)	
L450SF	PC Download Software (For Vista ABI)	
SD5V	5 MHz Bi-directional Probe	
SD8V	8 MHz Bi-directional Probe	
K290	Cuff Selector	
K180	Adhesive Backed Label Paper (5 Rolls)	
K185	Label Paper (5 Rolls)	



Vista AVS®



Vista ABI™

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