



Hand Held Vascular Doppler Technical Specifications

1. Hand-held bidirectional Vascular Doppler
2. Should have real-time waveform LCD
3. Should have integrated printer
4. Should have options for photoplethysmography (PPG) module for toe pressures and pulse volume (PV) module for pulse volume recordings and vendor have to supply both these modules with the equipment
5. Should be able to do ABI/TBI, Upper Extremity, Lower Extremity, PPG Toe Pressure, PPG Venous Reflex, Pulse Volume Recording (PVR), Individual Waveform & FFT Spectrum Analysis
6. Should be able to measure following clinical parameters : Blood Velocity measurement cm/sec (Systolic Velocity, Diastolic Velocity, Systolic Diastolic Ratio, Maximum & Minimum Velocity, Pulsatility Index, Resistance Parameter and Heart Rate) & Blood Volume Measurement ml/sec
7. Should have USB Interface Cable with Software
8. Should supply 2 sets of rechargeable batteries
9. Should be provided with software and computer interface for documentation.
10. Should have memory storage of >25 waveforms
11. Should have automatic gain and baseline control – no manual adjustments required
12. Manufacturer / supplier should have ISO 13485/US-FDA/CE/BIS certificate for quality standard.
13. Should come with extended warranty / maintenance contract for at least 2 years and CMC cost should be quoted for next 3 years.


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