

## The MD6 System Specifications:



**MD6 Doppler**  
Ultrasonic Frequency: 5.0 MHz  
Cable length: 4.25 feet (1.3 m)  
Size: 5.2 in (13.2 cm) long  
3.8 in (9.7 cm) wide  
1.1 in (2.8 cm) high  
Weight: 8.5 oz (242 gm)  
Power: Rechargeable NiCad batteries



**MD6 OR Operating Room Doppler**  
Ultrasonic Frequency: 5.0 MHz  
Cable length: 6.0 feet (1.8 m)  
Size: 5.2 in (13.2 cm) long  
3.8 in (9.7 cm) wide  
1.1 in (2.8 cm) high  
Weight: 9.0 oz (255 gm)  
Power: Rechargeable NiCad Batteries



**MD6PN Pneumo Plethysmograph**  
Size: 4.5 in (11.4 cm) long  
2.7 in (6.9 cm) wide  
1.0 in (2.5 cm) high  
Weight: 4.5 oz (128 gm)  
Power: Powered by MD6VR



**MD6RP Photo Plethysmograph**  
Size: 4.5 in (11.4 cm) long  
2.7 in (6.9 cm) wide  
1.0 in (2.5 cm) high  
Weight: 4.5 oz (128 gm)  
Power: Powered by MD6VR



**MD6VR Chart Recorder**  
Size: 8.0 in (20.3 cm) long  
7.5 in (19.1 cm) wide  
4.5 in (11.4 cm) high  
Weight: 4.8 lbs (2.2 kg)  
Power: Rechargeable NiCad batteries

## The MD6 System

Complete peripheral vascular testing in a portable package



**Hokanson**<sup>®</sup>

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The MD6 System is a family of instruments well suited to a wide variety of vascular diagnostic testing. The System allows you to perform complete peripheral vascular exams, while being small enough to easily carry it with you. The MD6 System components are separate and compatible so the System can be scaled to meet your needs. The MD6VR prints real-time waveforms from any of the instruments.

### MD6 Doppler

The MD6 Doppler is small enough to fit in your pocket, and big enough to produce a high quality audio signal. This Doppler can be used by itself with the Doppler sound coming from the built in speaker, or with the MD6VR Chart Recorder for a printed waveform. Patented red and green LED's in the probe tip visually show flow direction; green indicates flow toward the probe and red indicates flow away from the probe. In addition, optional stereo headphones allow you to distinguish flow direction; flow toward the probe is heard in the left ear and flow away is heard in the right. There are two buttons on the Doppler probe; the red button turns the power on and off, and the blue button starts and stops the paper, when it is plugged into the MD6VR. The MD6 has rechargeable NiCad batteries for 2 to 3 hours of continuous use per charge. The automatic shut-off keeps batteries from draining.



### MD6 OR Operating Room Doppler

The MD6 Operating Room Doppler is a pocket sized bidirectional Doppler. It is similar to the MD6 Doppler, with several added features that make it ideal for the Operating Room. The pencil style probe has an extra long detachable cable (6 feet) for easy sterilization. The speaker unit is placed outside of the sterile field to maintain safety for your patients. It can also be used with the MD6VR Chart Recorder for printing waveforms.



### MD6PN Pneumo Plethysmograph

The MD6PN Pneumo Plethysmograph plugs into the MD6VR Chart Recorder for taking pulse volume recordings (PVR's). Its features include arterial and venous modes (AC and DC coupling) and high and low range settings.



### MD6RP Photo Plethysmograph

The MD6RP Photo Plethysmograph plugs into the MD6VR Chart Recorder to provide high quality photo plethysmographic waveforms. The photo transducer uses dual infrared transmitters and receivers for extra sensitivity. It is typically used for taking digit pressures and waveforms and for venous reflux tests. The MD6RP has arterial and venous modes (AC and DC coupling) and high and low range settings.



### MD6VR Chart Recorder

The MD6VR Chart Recorder allows real-time chart recording of blood flow information directly from the MD6 or MD6 Operating Room Doppler, the MD6RP Photo Plethysmograph, or the MD6PN Pneumo Plethysmograph. This vertical recorder has simple push-button controls and an LED bar graph to indicate the waveform position. There are five print speed settings: 1, 5, 10, 25 and 50 mm/sec. The MD6VR has six range settings for plethysmographs, and three for the Dopplers. The date and time are printed at the start of each recording, and the chart speed and range are printed along the edge of the chart. It uses blank thermal chart paper, and is powered by rechargeable NiCad batteries. Automatic shut-off keeps the batteries from draining.



MD6 System Tests and Applications	MD6 Doppler	MD6 OR Doppler	MD6RP PPG	MD6PN Pneumo
Ankle / Brachial Index	√	√	√	√
Blood Pressure in All Limbs	√	√	√	√
Blood Pressure in All Digits			√	
Carotid Doppler	√	√		
Intra Operative Doppler		√		
Digit and Limb Pulse Volume Recording				√
Venous Outflow / Venous Capacitance				√
Penile Pressure and Plethysmography	√	√	√	√
Segmental Blood Pressure	√	√	√	√
Thoracic Outlet Syndrome			√	
Upper / Lower Extremity Arterial and Venous Doppler	√	√		
Venous Reflux	√	√	√	