

PARKS

Model 909

Dual-Frequency Bidirectional Doppler



4 MHz for Deep Vessels

8-9 MHz for Shallow Vessels

Probes shown are the 3/8" diameter at nominal 4 MHz and 1/4" diameter at nominal 8-9 MHz. Flat blood pressure probes are available for infants and adults. The Model 909 is a Class II non-invasive device.

1. Rechargeable battery may be left on charge except when in use, it cannot be overcharged.
2. Either built in stereo loudspeakers or stereo headphones may be used.
3. True velocity calibration *provided* you know the angle between the ultrasound beam and the blood flow.
4. High-level single-ended output which swings above and below ground to allow you to record directional changes on ECG recorders.
5. Continuously adjustable output level so you can calibrate the recorder (such as 2 cm deflection equals 10 cm/sec flow at a 45 degree angle).

6. 4-pole lo-pass active filters in 4 output-filter positions with 12 db per octave high frequency cut-offs of 3.5, 7, 14, 28 Hz plus a mean flow position. Result is a smoother output waveform.
7. Separate zero-flow toggle switch to set the zero-flow baseline on the chart recorder. More convenient to set or check the zero-flow line.



The graph above is of a normal posterior tibial artery, recorded at 5 and 25 mm/sec. The ZERO FLOW line is three MAJOR divisions (1 1/2 cm) from the bottom. The probe is pointed toward the heart. Flow toward the probe records above the zero-flow line. Calibration is 5 cm/sec. per half cm if the ultrasound enters the artery at a 45 degree angle. Both positive-flow and negative-flow calibration are shown. A 7 Hz lo-pass filter was used.

This instrument comes complete with probes, gel, operating manual, battery charger and stereo headphones. For very low, difficult measurements the headphones will perform better than a speaker or miniature earphone.

Size and Weight

8 1/2" (20cm) high x 11" (28cm) wide x 7" (18cm) deep -- Weight with battery, 7 1/4 lbs. (3.3Kg)

Warranty

We warranty the Model 909 against defects in materials and workmanship for one year. The warranty period for probes is six months. All warranty service is performed at the factory and all items must be returned to the factory prepaid. Specifically excluded from this warranty are any items which show evidence of physical abuse.

Thirty-Day Trial

We invite you to compare this Doppler with any other Doppler, regardless of price. A demonstration model is available to doctors and hospitals for a thirty-day trial. Trials are limited to the U.S.A. due to customs expense.

Ordering Information

For further information call us **Toll-Free 1-800-547-6427**. Our office hours are 7:00 AM to 3:30 PM Pacific Time.

Manufactured in the U.S.A. by:

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