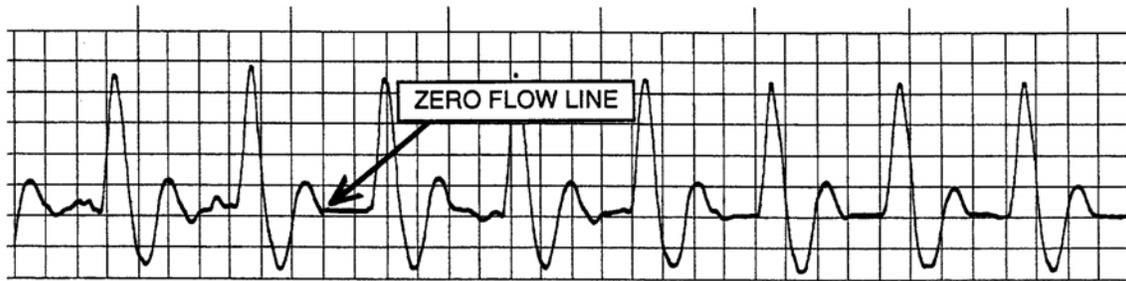


Bidirectional Doppler Model 806-CB



We designed the Model 806-CB for use wherever the need exists for a quality, single frequency, bidirectional Doppler. The Model 806-CB has large, easily read meters to show flow direction. If you maintain the same probe angle, the flow meters will indicate relative flow velocity. The Model 806-CB is a Class II non-invasive device. Parks manufactures two pencil probes: The standard probe is 3/8" diameter and the "skinny" pencil probe is 1/4" diameter.

The Model 806-CB comes equipped with a built-in speaker, outlet for an external recorder and outlet for stereo headphones that automatically cuts out the sound from the speaker when you use them. It also comes with a battery charger and long-life battery that you cannot overcharge.



You cannot buy a more sensitive directional Doppler. We recorded the tracing displayed above from a posterior tibial artery at roughly mid-calf to show the ability of the Model 806-CB to detect even relatively deep vessels.

MODEL 806-CB SPECIFICATONS

DOPPLER:	Nominal 8 MHz, Directional
OUTPUT SOUND:	Headphones (stereo) Loudspeaker
VELOCITY METERS:	Analog
OUTPUT FOR RECORDING:	Compatible with recorders having an IRIG input
DIMENSIONS:	Height 8.5" (22 cm) Width 11" (14.5 cm) Depth 5.75" (14.5 cm)
WEIGHT:	6 lbs. 13.5 oz. (3.1 kg)

BATTERY: Installed in your Parks Model 806-CB is a 12 volt dc sealed lead-acid rechargeable battery. At moderately low volume and with a new battery, you can expect about 15 hours of continuous operation. The battery meter shows the level of charge remaining in the battery. Battery life is about 2 years. We designed the instrument to have the charger plugged into it when you finish for the day. You cannot overcharge the battery.

WARRANTY:

We warranty the electronics in the instrument for one year. Abuse or unauthorized intervention in the circuitry voids the warranty. Probes have a 6 month warranty if not abused. All warranty service is performed at the factory and all items must be returned to the factory prepaid.

30-DAY TRIAL AND ORDERING INFORMATION:

A demonstration model is available to doctors and hospitals for a 30-day trial. Trials are limited to USA due to customs expense. For further information or to place your order 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:

PARKS MEDICAL ELECTRONICS, INC.
19460 SW Shaw St Aloha OR 97078 USA
1-800-547-6427 or 503-649-7007

CONTROLS

METER MULTIPLIER: A sensitivity control for the meters, since flow velocity varies widely.

OUTPUT FILTER: A smoothing filter that affects recording only. The "MEAN FLOW" position eliminates virtually all pulsation and you use this setting in conjunction with the "ZERO" flow switch. The height of the recorded line above the zero flow line represents mean velocity or flow if the vessel diameter is constant. It is relative not quantitative. For flow rates found in humans the frequency response has been adequate. You can select bandpasses of D.C. to 0.5, 7, 14 and 28 Hz.

OUTPUT SELECTOR: This control is for an external recorder and allows recording of flow "TOWARD" the probe only, "AWAY" from the probe only, or composites of "BOTH" or "INVERT BOTH" for limbs and the carotid respectively. Separation accuracy depends on probe angle, presence of other vessels within the beam, etc. Usually the separation is quite adequate.

OUTPUT LEVEL: Controls the size of the recorded wave (height).

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