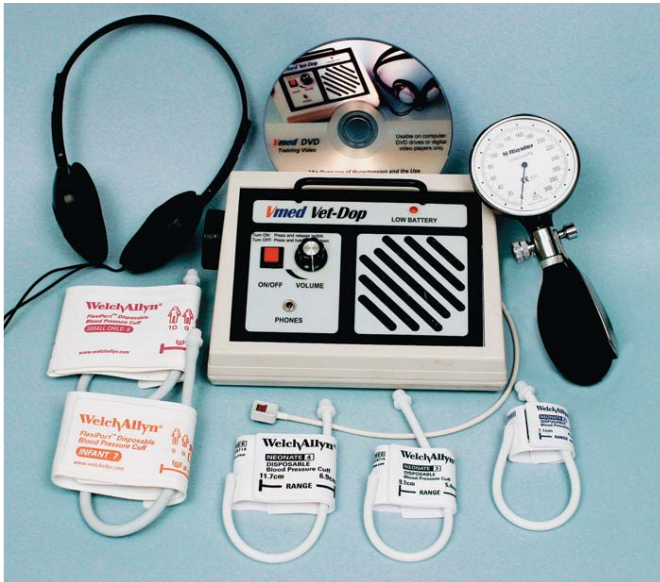


Vet-Dop

Doppler Blood Pressure System

- Designed for dogs, cats and exotics
- Sensitive, durable transducer
- Minimal background noise
- Battery life over 50 hours
- One year parts and labor warranty

The Doppler designed for veterinarians



The **Vmed Vet-Dop** combines state of the art microelectronics with a sensitive, focused transducer to produce a user-friendly Doppler designed especially for veterinary applications. Maximum sensitivity and low background noise reduce the time required to perform routine blood pressure measurements and ensure accurate results every time. Initial and on-going staff training is always available with the video DVD included. The Vet-Dop is sold complete with all accessories including a storage pouch and headphones. Improved transducer and cable design ensure excellent durability over many years of use.

APPLICATIONS

- Diagnose and monitor hypertension
- Monitor peripheral blood flow in surgery
- Spot check blood pressure in surgery
- Check blood flow in trauma cases

INCLUDED ACCESSORIES

- Certified sphygmomanometer
- Set of five animal cuffs
- Six attachment straps for surgery
- Stereo audio headphones
- Ultrasound gel
- Padded storage pouch
- Hypertension and Doppler application DVD*

* "An Overview of Hypertension and the Use of Doppler to measure Animal Systolic Blood Pressure", Gary Norsworthy, DVM, DABVP (Feline specialty)



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Vet-Dop

Doppler Blood Pressure System

DESCRIPTION

The Vet-Dop is a Doppler blood flow detector designed for veterinarians to listen to arterial and venous blood flow sounds in small animals. When used with a sphygmomanometer and an animal blood pressure cuff of the correct size, non-invasive systolic blood pressure can be determined. The Vet-Dop works well on all small animals including larger breeds.

DOPPLER BLOOD PRESSURE

Systolic blood pressure is measured by marking the reading on the gauge at the instant blood flow is detected as the cuff is slowly deflated. The patient should be kept calm in a quiet setting to prevent artificially high readings. Three to five measurements should be taken with the mean used as the recorded blood pressure. Outlier readings should be discarded. Diastolic pressure is sometimes apparent when a slight needle oscillation is visible on the gauge as the cuff nears total deflation.

APPLICATIONS

✓ The Vet-Dop is an essential tool for the exam room. Diseases commonly associated with hypertension in both the dog and cat include systemic hypertension and renal disease, hyperadrenocorticism, hyperthyroidism, essential of primary hypertension, and pheochromocytoma. Of these, Cushing's disease (dogs) and renal disease are most common. A large percentage of cats over 12 years of age have hypertension secondary to chronic renal disease or from underlying thyroid disease. Blood pressure should be recorded routinely for these patients, for all patients with visual problems and all critically ill patients.

✓ The Vet-Dop can be used during surgery to listen to the rate and rhythm of the heart and to assess peripheral circulation. Blood pressure may be taken during the surgical procedure however manual inflation and deflation of the cuff is required.

✓ The Vet-Dop can be used to check for intact blood vessels after trauma and prior to amputation.

THE DOPPLER TECHNIQUE

Systolic blood pressure is easy to obtain with the Vet-Dop. Excessive hair should be clipped over the intended artery and the area saturated with alcohol. Transmission gel or KY jelly is applied to the transducer which is then placed over the artery distal to the cuff. The transducer is held in place with the thumb and forefinger while steadying the limb with the same hand. Velcro straps provided can be used for long term monitoring in surgery and for dental procedures.

Represented by:

EXPERT TESTIMONIAL

"The Vet-Dop was much more sensitive in detecting arterial blood flow. This means that the blood pressure determinations were performed more rapidly and more consistently using the Vet-Dop. It is my opinion that the Vet-Dop is a significant improvement in obtaining systolic blood pressure readings compared to the other Doppler equipment that I have used in this trial." Gary Norsworthy, DVM, Diplomate, American Board of Veterinary Practitioners, Alamo Feline Health Center, San Antonio, TX

"The Vet-Dop technology is so easy to use and represents an essential piece of equipment that every practice should have. We now have a true veterinary Doppler. My trial evaluation of the Vet-Dop revealed not one single problem. Because of the large number of cases with hypertension the Vet-Dop is the answer in diagnosing and establishing a treatment regimen." Larry Tilley, DVM, Diplomate, ACVIM (Internal Medicine), VETMED Consultants, Inc. Santa Fe, NM

"The Vmed Vet-Dop was used on numerous dogs and cats ranging from 2 kg-70 kg during surgical, Post-Op and emergency stabilization procedures. We were able to detect the pulse very quickly and the blood flow sound emitted from the Vet-Dop was clearer, eliminating the distracting noise routinely found in other Dopplers." Andrea Battaglia, LVT, VSC/AEC of CNY, Director of Nursing, Syracuse, NY

COST EFFECTIVENESS

The Vet-Dop is a cost effective tool in the exam room where it is useful in screening for primary hypertension and as an aid in diagnosing diseases when hypertension is a symptom. It is acceptable in the profession to charge for this procedure. The Vet-Dop may also be used to monitor the rate and rhythm of the peripheral pulse and circulation at the extremities during surgery. The Doppler transducer can be attached to a limb for continuous monitoring using one of the Velcro straps provided.

SPECIFICATIONS

TYPE: CW Doppler blood flow detector

CONSTRUCTION: High impact ABS with aluminum panels

DIMENSIONS (OVERALL): Width: 7", Depth: 5", Height: 3"

WEIGHT (WITH BATTERIES): 24.6 Oz.

DOPPLER FREQUENCY: 9.6 MHz

AUDIO OUTPUT: Speaker and headset jack with speaker cutoff

POWER: 4.5 VDC, 110 mA

POWER SOURCE: Three 1.5 volt "C" cell flashlight batteries

BATTERY LIFE: >50 hours continuous

TRANSDUCER: Focused piezoelectric elements with 5 Ft.. Cable

TRANSDUCER DIMENSIONS: 0.6" X 0.5" X 0.24"

CONNECTOR: 5 Pin circular DIN

SPHYGMOMANOMETER: Bulb with trigger deflation valve and certified manometer (0-300 mm Hg).

HEADPHONES: Stereo audio with 3.5 mm phone plug

CUFF SIZES: (W x L in cm): 2.5 x 11, 3 x 13, 5 x 21, 6 x 25, 7 x 30

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