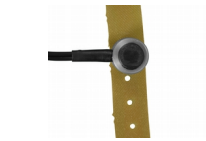


DOPPY-VET

Doppler for veterinary use



DOPPY-VET is an ultrasound Doppler device designed for the needs of veterinarians. It can be used to examine and monitor the general condition of the circulatory system. It is also suitable for the following tasks:

Monitoring cardiac function during the surgery of an animal.

The small sized, 8 MHz probe is to be placed over an accessible artery, on skin surface with hair removed. A set of straps is included for the proper attachment of the probe. Sudden change in blood flow sounds can warn the surgeon of heart function disorders (i. e. premature ventricular arrhythmia during anesthesia) without the need to direct the eyes away from the surgical site. If a blood pressure cuff is also placed on the limb that is observed, systolic blood pressure can be measured quickly and accurately any time during surgery.

Measuring systolic blood pressure.

A blood pressure cuff is to be placed on one of the limbs of the animal. Cuff size should be chosen according to the animal's size. Cuff pressure must be increased above the expected systolic value with the sphygmomanometer's pump to stop any arterial flow below the cuff. While the cuff is slowly deflated, the first signal of blood flow can be picked up with the handheld probe that is placed on a limb artery below the area of constriction. At the time of the signal, blood pressure is just above cuff pressure. Systolic blood pressure is the value measured at this moment. With this technique systolic pressures can be checked quickly and accurately, even when other methods fail because of certain conditions of the vascular system or the small weight of the animal.

Examining the cardiovascular system after surgery

DOPPY-VET can be used to assess conditions of the arteries and veins. After that, it can be decided, whether further actions are needed to restore blood circulation.

DOPPY-VET has replaceable probes. Optional probes can be purchased and attached to the device:

- **2 MHz Thoracic probe**

For monitoring heart functions during anesthesia. It is useful in situations where blood pressure drops below a level required for observing blood flow signal in the limbs. The probe can be attached firmly to the animal's chest with a special chest strap included.



DOPPY-VET is a battery-powered device. Charger is included. Sound volume is adjustable. A headset can be connected if the sounds of the speaker disturb the animal.