

HDO Veterinary BP and Pulse Wave Monitor

Visibly better BP monitoring.

The HDO monitors have been built utilizing the latest components to exacting standards enabling High Definition Oscillometry (HDO) to allow in-depth monitoring and analysis of oscillometric pulse waves, which can be viewed on screen when linked to a PC or stored for future analysis. Multiple measurement data and related pulse wave display can be stored in patient files for reference, are transportable through email for consultation or printed out.

Using the very latest microprocessors and technological components means that only HDO monitors deliver accurate readings through important parameters like linearity and speed. The patented technology and upgradeable software also means it will remain updated for years to come.

HDO Features

- Fast microprocessors (32 bit)
- Visible real-time measurement
- High definition sensors
- Veterinary specific algorithm developed for animals
- Linear valve programming over the entire pressure range
- Fast & dependable measurement of BP and pulse rate
- Real-time visualization software

HDO Real-time operation

Only HDO monitors allow for real-time scanning of pulse waves. This novel approach to BP measurement relies on High Definition Oscillometry. The real-time visualization of pulse waves can be viewed on screen when the HDO is linked to a PC or stored for future analysis. Multiple measurement data and related pulse wave display can be stored in patient files for reference, are transportable through email for further expert analysis or printed out.

32 bit microprocessor technology allows for specific programming of the valves over a pressure range of 5 to 320mmHg which achieves optimization of the signal with
real time scanning - real time valve regulation - real time measurement analysis

Accurate

Real-time scanning is visualized on a pc - each wave can be monitored. The 32-bit microprocessor and algorithm capture all relevant data during scanning and ignores pre-programmed artifact. HDO has been validated against "Gold Standard" invasive techniques in cats, dogs, horses and other species.

Sensitive

Specially developed cuffs and sensors detect pulse vibrations in the smallest arteries or weak pulse situations effortlessly measuring on limbs or the tail up to 400bpm. Expanded pressure ranges and variable gain deliver accurate results in a wide range of species and disease conditions. Sensitivity is 10,000X more than the human ear.

Fast

32-bit microprocessors and specially developed electronic valves allows HDO to measure, record and analyze data in microseconds. Pulse-adapted linear deflation delivers results in as little as 10 seconds.
Faster heart rate = faster deflation rate

Easy-to-use

Observing basic principles, anyone can get meaningful readings with HDO - from ferrets to cats to dogs to horses. The automatic loop feature provides hands-free monitoring for surgery or the critical suite. HDO is telemedicine capable as patient data and graphics can be forwarded for consultation.

HDO Models:

HDO MDPro - cats, dogs, other small species

HDO MDEquine - horses