



SENTINEL is a blood pressure monitoring station that can incorporate up to three different types of blood pressure monitor.

Sentinel offers oscillometric (NIBP), invasive (direct) and Doppler monitoring systems in one unit. The modular design means that you can choose to have any combination of monitor types.

With the Sentinel Blood Pressure Monitor you get:

- ✓ Simple touch-screen interface
- ✓ Clear, easy to read screen
- ✓ Choice of measurement method
- ✓ Single NIBP, dual IBP and single Doppler modules
- ✓ Portable, easy to use unit
- ✓ PC software for data recording

Sentinel Blood Pressure Monitor

A new concept in blood pressure monitoring

Key features

Main unit:

- Battery or mains powered
- Rechargeable hi-energy NiMh batteries
- Small and lightweight
- Table-top or cage mountable

NIBP:

- Veterinary-specific algorithm
- Automatic or manual measurement modes
- Large animal range
- On-screen trend plotting
- Continuous display of cuff pressure
- Motion artefact rejection

Dual IBP:

- Simple to use
- Accurate and reliable
- Uses industry-standard sensors
- Use to monitor arterial or venous lines
- Clear on-screen BP trace

Doppler:

- Module specifications not yet finalised (future release)



Anaesthetic Monitoring

Sentinel Blood Pressure Monitor

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The Sentinel blood pressure unit is a new concept in blood pressure monitoring. The unique idea is to have each type of monitoring method available in one unit so that the appropriate module can be used according to clinical requirements. For example, a critical care patient may be monitored using a direct blood pressure module and that same patient may subsequently be monitored in kennels or during a consultation using the NIBP or Doppler module. Equally, having a Doppler module for monitoring avian, reptile or other exotic species where conventional pulse-monitoring techniques are difficult or unreliable means that the Sentinel unit will find use across the broad range of species encountered.

The modular nature of Sentinel offers a cost-effective way of addressing your varied blood pressure monitoring needs at a reduced cost compared to buying separate units.

An additional feature of Sentinel is that there is an option to have your results displayed and saved on a computer, via a USB or wireless link.

Output from the Sentinel monitor is compatible with our VitalMonitor/VitalStore software suite and will simply appear as a new monitoring device on the computer.

Technical Specification

NIBP Module:

Measurement method	Oscillometric
BP range	Systolic: 40-265mmHg
MAP	27-222mmHg
Diastolic	20-200mmHg
Pulse rate range	25 to 300bpm
Startup initialisation	7 seconds
Cuff sizes	Neonate #1 (3-6cm) to Neonate #5 (8-15cm)
Sampling modes	Manual
Automatic	1-120 minute intervals
Alarms	Systolic High/Low pressure alarm MAP High/Low pressure alarm

IBP Module:

Measurement method	Direct/Invasive by arterial catheterisation
Range	0-300mmHg, 10 to 600 bpm
Accuracy	+/- 1mmHg
Modes	Pulsatile (arterial line) Static (CVP, CSF pressure)
Sensor	Industry standard 5uV/V/mmHg excitation
Alarms	Heart rate High/Low alarm Systolic pressure High/Low alarm

