



Sapphire Plus ECG telemetry system

Six-lead wireless ECG monitoring

THE SAPPHIRE PLUS ECG system is a six-lead wireless system, designed for the remote continuous monitoring and diagnostic investigation of animals.

From a small, key-fob sized, transmitter worn by the animal, ECG data is sent to a central PC or laptop for immediate display, measurement and analysis.

Key features

- Fully diagnostic six-lead ECG machine weighing 50g
- Uses latest Bluetooth technology for secure uninterrupted data transmission
- Range of up to 250m (open air)
- Uses a rechargeable or standard AAA battery
- Comprehensive Vetronic Services monitoring software suite
- Simultaneous display of all leads
- USB-powered receiver

With the Sapphire Plus ECG system you can:

- ✔ Monitor ambulatory ECG
- ✔ Perform monitoring during post-operative recovery
- ✔ Perform continuous undisturbed monitoring (colics, for example)
- ✔ Undertake standard cardiac investigation and workup
- ✔ Perform treadmill monitoring



Anaesthetic Monitoring

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The Sapphire Plus ECG system is part of a comprehensive monitoring system for animals and forms just one of the modules that can be added to the VitalMonitor and VitalStore programs. Together, VitalMonitor and VitalStore form a monitoring and diagnostic package that allows full, simultaneous data recording from multiple devices and multiple patients. It is a true multi-parameter, multi-patient system. Recorded data can be reviewed, measured and printed as part of an ECG diagnostic investigation or e-mailed to a cardiologist for further review. The extended view screen allows a review of hours of data in just minutes. The light weight and long-range capabilities of Sapphire Plus make it suitable for the investigation of patient collapse or for use on a dry or water treadmill. Sapphire plus offers more features and capabilities than a standard ECG machine and yet comes in a unit the size of a matchbox and weighing less than 50g.

Technical Specification

General

Transmitter frequency:	2.4GHz Bluetooth standard with frequency hopping
Country compatibility:	Worldwide
Transmitter size:	75 x 45 x 18mm
Transmitter weight:	50g
Transmitter range:	0-250m open air/line-of-sight Up to 50m in buildings
Power source:	Single AAA battery Alkaline, NiMH or NiCad 1.5v
Battery life:	8-16 hours continuous use, depending on range and battery type

ECG

Six channel leads:	I, II, III, aVR, aVL and aVF
ECG amplifier range:	+/- 5mV
Heart rates supported:	10 to 600bpm
Lead termination:	4mm banana or medical stud (popper) connectors
Sensors:	Skin electrodes

