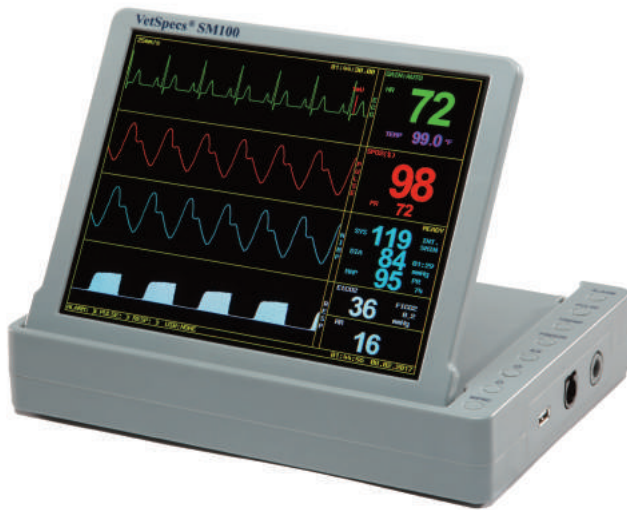


SM100

Veterinary patient monitor



The SM100 monitor is developed for vital signs monitoring and ECG testing in surgery and dentistry .

The SM100 monitor offers:

- ▶ Micro-flow™ side stream or Mainstream **Capnography**
- ▶ **Non-invasive blood pressure:** the volume plethysmography method employs a cuff to occlude arterial flow and a pulse sensor band to register arterial pulsations.
- ▶ **Monitoring oxygenation with pulse oxymetry** registered with two veterinary specific SpO2 sensors:
 - 1 lingual sensor
 - 1 leg/toe sensor suitable for use on legs and toes covered with pigmented tissue and dense fur and for use for veterinary
- ▶ **ECG** registered with a single esophageal probe
- ▶ **Core-body temperature** with a single esophageal probe
- ▶ **Six-lead diagnostic ECG** (option)



10.5" Monitor
Weight: 1.2 kg
Dimensions: 28 x 20 x 5 cm



VetSpecs® has developed a technology, specifically for the veterinary medicine. Recording and measuring the vital signs by small animals is much more difficult than in the human medicine due to pets size and movements during the screening.

The **SM100** automatically saves monitoring records, ECG tracings and blood pressure readings on a USB flash drive.

These data can be reviewed on a computer for analysis and printing (eg: surgery reports).



SM100



Monitoring: Different parameters

► Monitoring ventilation with capnography

Digital capnography

The **SM100** can be equipped with Vetspecs® micro-flow™ sidestream capnography or mainstream capnography.

Sidestream capnography withdraws gas from the airway for measurement inside the module, with a sample flow rate of 50 ml/min, while mainstream capnography measures directly inside the airway.

Both technologies provide CO₂ waveforms, end-tidal CO₂ (EtCO₂), fractional inspired CO₂ (FiCO₂), respiratory sound and visual and audible apnea alarms.

Mainstream



Sidestream



► Monitoring oxygenation with pulse oxymetry

Pulse oxymetry sensors

The **SM100** comes standard with two high sensitive SpO₂ sensors (lingual and leg/toe). The leg/toe sensor is very useful for monitoring in dental and oral surgeries.



► Monitoring ECG and temperature

Multi parametric esophageal probes (CAT/DOG)

Register ECG, HR and core-body temperature with a single esophageal probe, which can be easily inserted into the esophagus of an anesthetized patient in seconds. Due to its proximity to the heart and ensured good contacts, the esophageal probe registers large and interference-free ECG even in smallest patients.

VetSpecs® esophageal probes are available in two different sizes suitable for cats and dogs of all sizes.



ECG leads

Designed specifically for ECG screening in cats, dogs and animals of similar size.



► Monitoring circulation with non invasive blood pressure

Volume plethysmagraphic blood pressure

The volume plethysmagraphic method employs an inflatable cuff to occlude arterial flow and a pressure sensor band to sense arterial pulsations.

The **SM100** comes with six cuffs of different sizes and one pulse sensor band which fits cats and dogs of all sizes.



► 6-lead ECG Testing (option)

The **SM100** will automatically switch to the ECG mode when you do ECG testing, displaying cascaded four lines of ECG on one screen. The **SM100** automatically and continuously saves all registered ECG on the USB flash drive, which can be reviewed on your computer with the included **VetSpecs®** software. You can also print in standard diagnostic format and quality through an office laser or ink-jet printer on regular plain papers.



Medical equipment for veterinarians

Technical Data:

ECG:	1 lead (Optional 6 leads)	Blood pressure:	20 - 280 mmHg
Resp. rate:	0 - 150 breaths / min	SpO ₂ :	0 - 100%
Temperature:	29°C (85°F) - 46°C (115°F)	Heart/pulse range rate:	15 - 400 bpm
CO ₂ :	0 - 100 mmHg / 0 - 10 %	Dimensions:	28 x 20 x 5 cm
Display:	10.5" LCD	Power requirements:	220V / 50 Hz
Weight:	1.2 kg		

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