

12.1" color TFT screen, wide and flat screen design

Virgo Vet

Multi-Parameter Veterinary Monitor



Configuration

ECG+SpO2+NIBP+2TEMP+PR+RESP, Li-ion battery

Optional

Masimo SpO2, Thermal recorder, touch screen

Virgo Vet

Multi-Parameter Veterinary Monitor



Specifications

Display

12.1" color TFT LCD, resolution: 800 x 600 8 waveform display, 12-lead ECG display

I/O

LAN: 1 standard RJ45 port
WLAN: IEEE802.11b/g/n
USB: 2 USB connectors
SD: 1 SD card socket
Output: 1 connector for nurse call, Defib sync analog output
VGA: 1 color VGA monitor connector (optional)

ECG

Lead type: 3-lead, 5-lead, 12-lead
ECG waveform: 2 channels, 7 channels, 12 channels
Display sensitivity:
2.5mm/mV (x0.25), 5mm/mV (x0.5), 10mm/mV (x1.0), 20mm/mV (x2.0)
Wave sweep speed: 6.25mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s
Bandwidth
Diagnostic mode: 0.05Hz~100Hz
Monitor mode: 0.5Hz~40Hz
Surgery mode: 1Hz~20Hz
Strong filter mode: 5Hz~20Hz
CMRR > 100dB
Notch: 50/60Hz notch filter can be set to on or off
Differential input impedance > 5MΩ
Electrode polarization voltage range: ±400mV
Baseline recovery time < 3s after defibrillation (in monitor and surgery mode)
Calibration signal: 1mV (peak - peak), accuracy ±3%

TEMP

Accuracy: ±0.1°C or ±0.2°C °F (without probe)
Measurement range: 5~50°C (41~122°F)
Channel: Two channels
Resolution: 0.1°C
Parameters: T1, T2 and TD

RESP

Method: Trans-thoracic impedance
Operation modes: Auto/Manual
Measurement range: Adult: 0~120 bpm;
Neonate/Pediatric: 0~150 bpm
Apnea alarm delay: 10s, 15s, 20s, 25s, 30s, 35s, 40s
Apnea alarm: Selectable
Sweep speed: 6.25mm/s, 12.5mm/s, 25mm/s

Pulse Rate

Range: 30~254 bpm
Resolution: 1bpm
Accuracy: ±3bpm (non-motion)
±5bpm (motion)
Refreshing rate: 1s

NIBP

Measurement method: Automatic oscillometric method
Operating mode: Manual, automatic, continuous
Measurement unit: mmHg/kPa selectable
Typical measurement time: 20~40s
Measurement type: Systolic, Diastolic, Mean
Measurement range (mmHg)
Range of Systolic pressure:
Dog 40-270
Cat 40-200
Others 40-135
Range of Diastolic pressure:
Dog 10-210
Cat 10-150
Others 10-95
Range of Mean pressure:
Cat 20-230
Dog 20-165
Others 20-105

Measurement accuracy
Maximum average error: ±5mmHg
Maximum standard deviation: 8mmHg
Resolution: 1mmHg
Interval: 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 180, 240, 480 minutes
Overpressure protection: Software and hardware, double safety protection
Cuff pressure range: 0-280mmHg

SpO2 (Northern)

Measurement range: 0-100%
Resolution: 1%
Accuracy: ±2% (70-100%, Cat/Dog);
±3% (70-100%, Others);
0-69%, unspecified
Refreshing Rate: 1s

IBP (optional)

Channel: 2-channel or 4-channel
ART: 0 to 300 mmHg
PA: -6 to 120 mmHg
CVP/RAP/LAP/ICP: -10 to 40 mmHg
Measurement range: P1/P2 -50 to 300 mmHg
Resolution: 1mmHg
Accuracy:
±2% or ±1mmHg, whichever is greater (without sensor)
Sensitivity: 5uV/mmHg/V
Impedance range: 300 to 3000Ω

Recorder (optional)

Built-in, Thermal dot array
Horizontal resolution: 16 dots/mm (25 mm/s paper speed)
Vertical resolution: 8 dots/mm
Paper speed: 25 mm/s, 50 mm/s
Number of waveform channels: 3

Operation Environment

Power: AC 100-250V, 50/60Hz
Temperature: 5-40°C
Humidity: < 80%
Patient Range: Cat, dog and other animals



Northern Meditec Limited

Add: Room 420, Fourth Floor, Block B-1, Famous Industrial Products Exhibition & Purchasing Center,

No.168 Baoyuan Road, Xixiang, Bao'an District, Shenzhen 518102, P.R.China

Tel: +86 755 23090266 **Fax:** +86 755 23010273

Email: info@northernmeditec.com

Website: http://www.northernmeditec.com