

SPECIFICATIONS

General

Display

- 7 inch (800 x 600)
- Up to 7 wave trace On/Off
(3ch ECG, SpO₂, 4 IBP, Resp EtCO₂)
- Full ECG 7 wave display (I, II, III, aVR, aVL, aVF, V)

Parameters (10EA)

- ECG, SpO₂, NIBP, 4 IBP, Resp, 4 Temp, EtCO₂, ICO
- HRV, APG detect analysis
- 2 IBP, 2 Temp, EtCO₂

Interface

- RS-232 port, VGA Port, LAN, ECG output (opt.) Port.
- SD Memory Card Port.

Power

- AC 100~240V, 50/60Hz, 60VA
- BATTERY: Li-ion (1 pack - 90 mins)
(opt: 2 Pack - 3 hours)
- DC 12V (optional)

Thermal Printer (Optional)

- 3 channel
- Speed: 12.5, 25, 50 mm/sec
- Paper size: 58 mm

Trend

- Memory storage: 7 days (Standard)
- Tabular & Graphic Data Interval:
1, 5, 15, 30 min and 1 hour
- Save up to 20 Event data

Language

- ENGLISH, FRENCH, SPANISH, GERMAN, ITALIAN, RUSSIAN, TURKISH, CZECH, ROMANIAN, PORTUGUESE (BRA), POLISH

Physical Dimension

- 200mm X 190mm X 160mm (8" x 7.5" x 6 1/4")
- Weight: 2.75Kg (5.5lbs.) (without battery)

ICO (Optional)

- CI, SV, SI, LVSW, LVSWI, RVSW, RVSWI, SVR, SVRI, PVR, PVRI
- Catheter: Swan-Ganz standard Thermodilution pulmonary Artery Catheter (131HF7, 744hf75)
- Edward Lifesciences

Performance

ECG

- LEAD
3 leads (Standard), 5 leads (Optional)
- Channel
3 Channel: 3 leads / 7 leads (Full Display)
12 Channel: 12 leads (Optional)
- HR Range
0~300 bpm (± 2 bpm)
- GAIN
2.5, 5, 10, 20, 30, 40, Auto mm/mV
- Sweep Speed
6.25, 12.5, 25, 50 mm/sec
- Pacemaker Mode
Pacemaker Arrhythmia Detection (PNF, PNC)
- Arrhythmia Detect
TAC, BRD, PVC, VTAC, ASY, BGM, TGM, VENT, VFIB, CPT, TPT, MIB, RonT
Range: -9.9mm ~ +9.9 mm
Resolution: 0.1mm
- ST Analysis
4~16 wave
- HR Calculation

SpO₂

- Range
0~100%
- Accuracy
100~70% ± 2%
69~50% ± 3%
49~0% unspecified
- Pulse Range
0~300 bpm
- Accuracy
0~240 bpm ±2 bpm,
241~300 bpm ±3 bpm
0.1% up to
Wave out Time: Max 2 sec,
- GAIN
0.25, 0.5, 1, 2, 3, 4, Auto mm/mV
- Sweep Speed
6.25, 12.5, 25, 50 mm/sec
Optional Massimo SpO₂

Respiration

- Range
0~200 rpm (±2% or ±2bpm)
- Apnea
OFF, 10~40 sec
- Waveform
0.25, 0.5, 1, 2, 3, 4, Auto ohm display

NIBP

- Technique
Oscillometric
- Measurement Range
0~300 mmHg
- NIBP STAT
5~15 min
- NIBP VENOUS STAT
50~200mmHg

IBP

- Channel
1-2 (optional)
- Range
-50~350 mmHg
- Accuracy
±1%
- Catheter
Yuta, Edward, Medex (Total 6 types)

TEMP

- Channel
1 (standard), 2 (optional)
- Range
0~50.0°C
- Accuracy
25.0~50.0°C ± 0.1°C
0~24.9°C ± 0.2°C

EtCO₂ (Optional)

- Measurement Mode
- Range
Respironics Mainstream/Sidestream
0~99 mmHg (0~9.9kPa / 0~9.9%)
0~150 bpm



Veterinary Monitor V 1407



- AAHA compliant data importability to any practice management software
- Print trends, reports or waves via internal printer or network printer
- Remote viewing possible anywhere in the world via Smart Care System

Multi Parameter Patient Monitor for Veterinary Critical Care

Tel: 1-502-671-1014
Toll Free: 1-877-329-7775
info@vetlandmedical.com
www.vetlandmedical.com

Tel: 1-502-671-1014 | Toll Free: 1-877-329-7775
www.vetlandmedical.com | info@vetlandmedical.com



ACCESSORIES: SpO₂ Tongue Probe (1 ea), NIBP Hose (1 ea), Blood Pressure Cuff Type #2, #3, #4 (total 3 pieces), ECG Cable 3 Lead Type (1 ea), ECG Clips (3 ea), Temperature Sensor (Rectal Type-Pediatric) (1 ea), User's Manual (1 ea), Power Cord (1 ea)



Event Management Screen



Trend Data Screen



Simple ESN Screen



Large Numeric Screen



7Ch ECG Screen



Full Parameter Screen



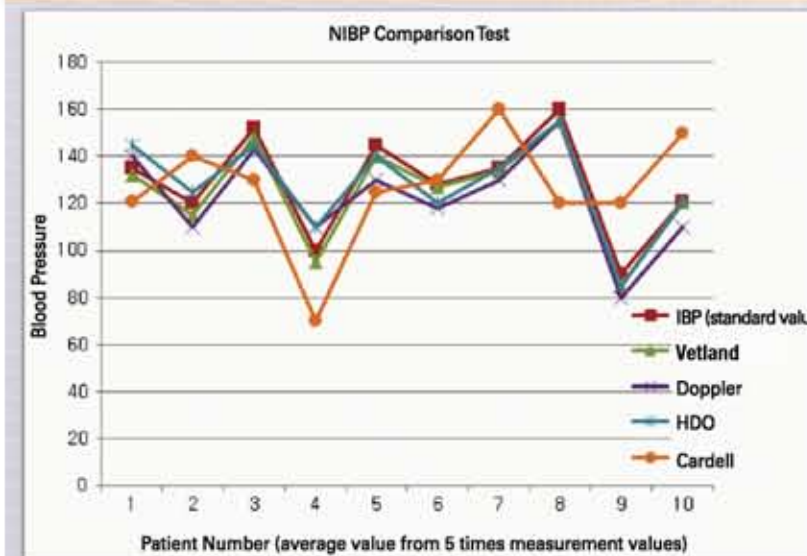
iPad Options

*3G Wifi for Android & IOS Network or Internet connections

Standard: ECG (3CH) ■ SpO₂ ■ NIBP ■ RESP ■ 1TEMP ■ HR/PR ■ HRV ■ APG

Optional: ETCO₂ ■ Touch Screen ■ 2TEMP ■ DC 12V ■ 1-2 IBP ■ VGA OUTPUT
MASSIMO TECHNOLOGY

- Versatile, portable-compact design
- Intuitive color display
- Validated Industries Best NIBP Technology with automatic & STAT modes
- Veterinary specific algorithms
- 7" High resolution display (800x480) 7 channel waveforms with sharp off-angle viewing
- Standard configurations: ECG, SpO₂, NIBP, Resp, 1Temp
- ECG- 3 lead with 5 filtering modes/ 4 sweep rates 6.5/12.5/25/50mm sec
- 6 Virtual screen display modes
- 3CH ECG: Full 7 ECG & ST Segment analysis (Lead I, II, III, aVR, aVL, aVF, V) 13 Arrhythmia analysis
- 7 days tabular & graphic trend data storage 10,080 data point/ 168 hours graphical trend of each parameter
- Patient information, NIBP VENOUS STAT, APG, HRV
- Touch Screen (Optional)
- Easy software upgradability
- AC or Long Li-ion battery operation (1 Pack = 90 minutes) (2 Pack = 3 hours)
- LAN & wireless LAN connection to central station
- Respronic's EtCO₂ module (optional) -Mainstream (C5), Sidestream (LoFIO)
- Remote viewing possible anywhere in the world via Smart Care System
- Designed & distributed by Vetland Medical Sales & Services, LLC - An American company



NIBP Comparison Test

- Blood Pressure was measured with 10 dogs under anesthesia weighing 5 to 25 Kgs
- After measuring 5 times, without using the highest & the lowest values into calculation, the intermediate 3 values were chosen into calculation
- When the blood pressure measured by IBP was set as a standard value, Vetland's V1407 monitor shows the closest value.

(Source: A master thesis at the veterinary faculty of Kangwon National University)