Avante Waveline Pro
Anesthesia Monitor

Superior performance with a high-resolution touch screen

The Waveline Pro is a dependable, affordable touchscreen monitor that can accommodate a full range of acuity levels for all areas of patient care. It displays as many as eight colorful waveforms on a crisp 15” high resolution screen.

FEATURES

- EtCO2 (mainstream or sidestream) (Respironics)
- Multi-lead simultaneous ECG monitoring
- Automatically set alarm limits
- Masimo SET® Pulse Oximetry — ask your Avante representative for details
- Graphical and tabular trending
- Color-coded alarms
- Patient data entry
- Battery backup (two removable batteries)
- Built-in thermal recorder
- Networking capability
- Large (15”), high resolution flat panel display
- Available with a built-in thermal printer
- Standard Parameters: ECG, Masimo Pulse Oximetry, 2 x Temperature, NIBP, Respiration, and Printer
- Optional Parameters: Invasive Blood Pressures, CO2 (Mainstream or Sidestream) and Drager Built-in Anesthetic Agent Module
- Comes with standard veterinary accessories

SPECIFICATIONS

Weight: 17.6 lbs (8 kg)
(including anesthetic agents module and batteries)

Height: 12.1”
(309 mm)

Width: 14.4”
(365 mm)

Depth: 6.3”
(159 mm)

Touchscreen Display: 15”

Source:
External AC power or internal battery

AC Power:
100 - 240VAC, 50/60Hz, 150VA

Battery:
Built-in and rechargeable lithium ion

Operating Time:
3+ hours
Performance

Trace: 8 waveforms
Indicator: Alarm indicator, Power indicator, QRS beep and alarm sound

ECG

Input: 5-lead ECG cable and standard AAMI line for connection
Lead Choice: I, II, III, aVR, aVF, aVL, V, V1-V6, TEST
Gain Choice: x0.5, x1, x2, x4
Frequency Characteristic: 0.05 ~ 35 Hz (+3dB)
ECG Waveforms: 7 channels
Penetration Voltage: 4000VAC 50/60Hz

Sweep Speed: 12.5, 25, 50 and 100 mm/sec (left to right or right to left)
HR Display Range: 30 ~ 300bpm
Accuracy: ±1bpm or ±1%, whichever is greater
Alarm Limit Range Setting: Upper limit 100 ~ 200bpm, Lower limit 30 ~ 100bpm

Trend Time: 1 - 72 hours
Recorder: Built-in, thermal array, 3 channels
Record width: 48mm
Recorder paper: 50mm
Record speed: 25mm/s, 50mm/s

Masimo SET SpO2

SpO₂ Accuracy (non-motion):
Adult Pediatric: 70–100%: ±2%, 0–69%: unspecified
Neonate: 70–100%: ±3%, 0–69%: unspecified
SpO₂ Accuracy (motion):
Adult Pediatric: 70–100%: ±3%, 0–69%: unspecified
Neonate: 70–100%: ±3%, 0–69%: unspecified
SpO₂: ±2 %
PR: ±3 bpm
Modes:
Averaging mode: 2,4,8,10,12, 14 and 16s
Sensitivity: Normal, APOD and Maximum

RESPIROMETRY

Measure Method: RA-LL impedance
Range: 0 – 120 rpm
Sweep Speed: 12.5, 25, 50 and 100 mm/sec (left to right or right to left)
Alarm Limit Setting: Upper limit 6 ~ 120 rpm, Lower limit 3 ~ 120 rpm
Accuracy: ±3 rpm

Alarms

Alarm Limit Setting: Upper limit 100 ~ 200bpm, Lower limit 30 ~ 100bpm

Accuracy:
Maximum Mean error: ±5mmHg
Maximum Standard deviation: 8mmHg

Networking

Industry standard 802.11b/g wireless network

NIBP

Measuring Technology: automatic oscillating measurement
Cuff Inflating: <30s (0 – 300 mmHg, standard adult cuff)
Measuring Period: AVE<40s
Mode: Manual, Auto
Measuring Interval in AUTO Mode: 2 min ~ 4 hrs
Pulse Rate Range: 30 – 250 (bpm)

Measuring Range:
Adult/Pediatric Mode:
SYS: 40 – 250 (mmHg)
DIA: 15 – 200 (mmHg)
Neonatal Mode:
SYS: 40 – 135 (mmHg)
DIA: 15 – 100 (mmHg)
Accuracy:
Maximum Mean error: ±5mmHg
Maximum Standard deviation: 8mmHg

RESPIROMETRY

Measurement Range:
SpO₂: 1~100%
PR: 25~240 bpm
Alarm Range: > 0.02 % Pulse Amplitude and % Transmission > 5

IBP

Measurement Range:
-50 ~ 300mmHg
Channel: 2 channels
Pressure Transducer: sensitivity, 5µV/V/mmHg
Transducer Sites: ART, PA, CVP, RAP, LAP, ICP
Alarm Range: -10 ~ 300mmHg
Unit: mmHg/kPa selectable
Resolution: 1mmHg
Accuracy: ±1mmHg or ±2%, whichever is greater

Optionals

ETCO₂, Cardiac Output, and Anesthetic Agents