

Avante Trax

Vital Signs Monitor

Versatile, intuitive, touch-screen monitor

The Avante Trax is a versatile, intuitive vital signs monitor that can be configured to measure any combination of NIBP, SpO2, rapid temperature, and EtCO2. The Trax simplifies veterinarian use by incorporating a touchscreen with a simple user interface.

Non-proprietary sample lines allow the Trax to be the industry's lowest cost-per-patient EtCO2 measuring system. It uses a 50-ml-per-minute sidestream method to deliver the most accurate EtCO2 readings. It can be used on both intubated and non-intubated patients. The sample line connection system uses filter cells to eliminate the potential of cross contamination.

FEATURES

- › Portable — weighs less than 3 lbs
- › All patient data can be transmitted through Trax's many networking options
- › 72-hour trending
- › Simplified patient information entry
- › Lithium-ion battery
- › Optional EtCO2
- › Wall mount and mobile mounting solutions available
- › Available upgrades: SunTech, Nellcor



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SPECIFICATIONS



Weight:
2 lbs



Height:
7.7"

Width:
4.7"

Depth:
4.9"

LCD Display:
5" (diagonal)



Power Source:
External AC power
or internal battery

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

Battery:
Built-in and lithium Ion
rechargeable, 12.6V/5Ah

Charge Time:
8 hours

Operating Time:
3 hours

SpO₂

ASpO₂: Anti-motion SpO ₂	Alarm Upper-lower Limit:
SpO₂% Range: 0 ~ 100%	Upper Limit: 70 ~ 100%
SpO₂ Accuracy:	Lower Limit: 70 ~ 100%
±2% (70 ~ 100%, non-motion)	SpO₂ Probe:
±3% (70 ~ 100%, motion)	Red light LED wavelength: 660nm±5nm
Pulse Rate Range: 30-250 bpm	Infrared light LED wavelength: 940nm±10nm
Pulse Rate Accuracy:	Standards:
±2 bpm (non-motion)	Meets performance standards of EN ISO 9919:2005
±3 bpm (motion)	

Networking

Wired Networking:	Wireless Networking:
Industry standard 802.11b/g wired network	Up to 100m indoors Industry standard 802.11b/g wireless
Frequency Range:	Supports TCP/IP and UDP/IP Protocols
2.412 ~ 2.484 GHz	
Connected bedside number:	
Up to 16 bedside monitors	

Performance

Trace: 2 waveforms	Indicator:
Waveforms: PLETH, ETCO ₂	Alarm Indicator
Trend time: From 1 to 72 hours	Power indicator
	Pulse beep and alarm sound



Non-Invasive Blood Pressure (NIBP)

Method: Automatic oscillometric	Resolution: 1mmHg
Cuff Inflating: <30s (0 ~ 300 mmHg, standard adult cuff)	Pressure Accuracy: Maximum Mean error: ±5mmHg
Measuring Period: AVE<40s	Maximum Standard Deviation: 8mmHg
Mode: Manual, Auto, STAT	Overpressure Protection: 280(mmHg)
Measuring Interval in AUTO Mode: 2 min ~ 4 hrs	Alarm Limit:
Pulse Rate Range: 30 bpm ~ 250 bpm	SYS: 50 ~ 240 mmHg DIA: 15 ~ 180 mmHg
Measuring Range:	Standards:
SYS: 40 ~ 250(mmHg) DIA: 15 ~ 200(mmHg)	Meets performance standards of ANSI/AAMI SP10:2002

EtCO₂ (Option)

Mode of Sampling: Sidestream or Mainstream	Sampling rate: 100Hz
Principle of Operation: Non-dispersive infrared (NDIR) single beam optics, dual wavelength, no moving parts.	Respiration Rate: 2 ~ 150 bpm
CO₂ measurement Range: 0 to 150 mmHg (0 to 19.7%, 0 to 20 kPa)	Respiration Rate accuracy: ±1 breath
CO₂ Calculation Method: BTPS (Body Temperature Pressure Saturated)	Respiration Rate: <3 seconds - includes transport time and rise time
CO₂ Resolution: 0.1mmHg (0-69mmHg), 0.25mmHg (70-150mmHg)	Inspired CO₂ measurement Range: 3 ~ 50 mmHg
CO₂ Accuracy: 0~40 mmHg ± 2 mmHg, 41~70 mmHg ± 5% of reading, 71~100 mmHg ± 8% of reading, 101~150 mmHg ± 10% of reading, Above 80 breath per minute ± 12% of reading	Standards: Meets performance standards of ISO/FDIS 21647:2004 (E), ASTM F1456-01, IEC/CDV 60601-2-55