

Avante Echo

Portable Vital Signs Monitor

Ultra-lightweight and portable with a 10 hour battery life

The accurate, cost-effective Avante Echo vital signs monitor is available in configurations with your choice of SpO₂, NIBP and Temperature. The portable monitor has multi-parameter functionality suited for out-patient care and doctor's offices.

FEATURES

- › Covidien Quick Temp Technology
- › 5.7 inch high resolution display for easy reading
- › Flexible configurations
- › Built-in rechargeable Lithium-ion battery for 10 hours of continuous working
- › Optional thermometer for obtaining temperature in approximately 15 seconds
- › Real-time parameters measurement display with trend table for easy reviewing
- › Bi-directional communications with central station by wired or wireless network
- › Suitable for adult, pediatric and neonatal patient
- › PR measurement (from SpO₂/ NIBP)
- › Optional Nellcor Oximax™
- › Optional recorder



SPECIFICATIONS



Weight: 6.6 lbs (3 kg)



Dimensions:
7.9 x 9.49 x 7.44 in
(200.8 x 241 x 189 mm)

Display Size:
5.7 in

Record Width:
1.89 in (48 mm)



Power Supply:
100-240 VAC, 50/60Hz

Battery Type:
Lithium-ion

Voltage:
14.8 V DC

Capacitance:
4,400 mAh



Color TFT Resolution:
640X480

Working Period:
Color TFT 480min

Rechargeable Period:
< 360min

Thermal Recorder:
Optional

NIBP

Method:
Oscillometric

Mode:
Manual, Auto, Continuous

Measuring Interval in AUTO Mode:
1/2/3/4/5/10/15/30/60/
90/120/240/480 Min

Continuous:
5min, interval is 5s

Measuring Type:
Systolic Pressure, Diastolic Pressure, Mean Pressure, Measuring Range

Adult Mode:
SYS: 40~270mmHg
DIA: 10~215mmHg
MAP: 20~235mmHg

Pediatric Mode:
SYS: 40~200mmHg
DIA: 10~150mmHg
MAP: 20~165mmHg

Neonatal Mode:
SYS: 40~135mmHg
DIA: 10~100mmHg
MAP: 20~110mmHg

Cuff Pressure measuring Range:
0~290mmHg

Pressure Resolution:
1mmHg

Maximum mean error:
5mmHg

Maximum Standard deviation:
8mmHg

Entire Measuring Period:
30~45s typical (depend on HR/motion disturbance)

Dual Overpressure protection:
Adult: 297 3mmHg
Pediatric: 240 3 mmHg
Neonatal: 145 3mmHg

PR:
Measuring Range:
40~240bpm
Resolution: 1bpm
Accuracy:
3bpm or 3% of the maximum
IEC 60601-2-30

SpO₂

Resolution:
1%

Accuracy:
Adult (including Pediatric):
2% (70%~100% SpO₂)
Undefined (0~70% SpO₂)
Neonate:
3% (70%~100% SpO₂)
Undefined (0~70% SpO₂)

Measuring Range:
0 ~ 100 %

Alarm Range:
0 ~ 100 %

Pulse Rate:
Measuring and Alarm Range:
30 ~ 300bpm
Resolution: 1bpm
Accuracy: 3bpm
Data update period: 2s
ISO 9919