

ARI-800A Vital Signs Monitor



- 7 inch TFT color LCD display with adjustable brightness
- Multidisplay selectable display modes
- Customize all kinds of languages
- Update system software freely and remotely
- High capacity storage, power-off data protection
- Built-in rechargeable Lithium battery for long-term monitoring

Technical Specifications

- Lead mode: ECG 5 lead, RA, LA, RL, LL, V
- Lead selection: I, II, III, V, AVF, AVL, AVR
- ECG waveform: 1 or 3 Channels
- Gain selection: 0.25, 0.5, 1, 2 and 4 (mm/mv), auto
- Sweep speed: 6.25 mm/s, 12.5mm/s, 25mm/s, 50mm/s
- Heart rate range: 20-350 BPM
- Accuracy: ± 2 BPM or $\pm 2\%$ (whichever is greater)
- Resolution: 1BPM
- S-T deletion: Yes

NIBP

- Method of measurement: Oscillometric with step-down deflation
- Range of Systolic: 40 to 270 mmHg
- Range of Mean Arterial: 30 to 220 mmHg
- Range of Diastolic: 20 to 200 mmHg
- Measurement time: 30 to 50 seconds typical, 120 seconds maximum
- Alarm range: 20-260 (in 1 mmHg steps), and OFF

Temperature

- Channel: Two
- Measuring range: 25-45°
- Accuracy: $\pm 0.2^{\circ}\text{C}$, plus the temperature sensor tolerance
- Resolution: 0.1°

Respiration

Measurement range: 0-120rpm

Accuracy: ± 1 rpm

Resolution: 1rpm

SpO2

Range: 1%

Accuracy: 0-100%

Resolution: ± 2 at 70-100%

Pulse rate range: 30-250BPM

Resolution: 1BPM

ETCO2(optional)

Range: 0-150mmH

Accuracy: ± 2 mmHg

Range of Respiration: 2-150rpm

Accuracy: $\pm 1\%$ rpm

Preheating time: 10s

Power

AC input:100 to 240V,50/60Hz

Environmental

Temperature:-40 to 75°C (Storage)

0 to 50°C (Operating)

Humidity: 15 to 95%(Operating)

10 to 95%(Storage)

Battery

Full charging time:3 hours

Operation time: more than 5 hours

Power consumption: 35 W

Dimensions

Width: 300mm(11.81 inches)

Length: 180mm(7.09 inches)

Height: 129mm (5.08 inches)

Weight: 2.05Kg(4.52 lbs)