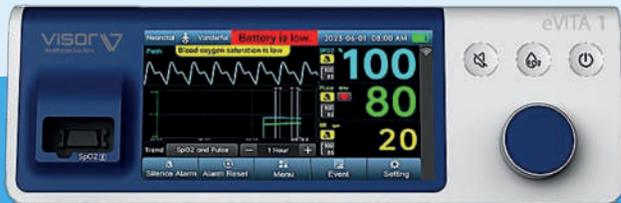


# eVITA™ 1



## Bedside Respiratory Patient Monitoring System eVITA 1

### eVITA 1 Bedside Respiratory Patient Monitoring System Features

#### Accuracy

Accurately assess patients' status with pulse oximetry measurements of  $\pm 2\%$  for 70% to 100% saturation, and low saturation accuracy of  $\pm 3\%$  for 60% to 80%

#### Speed

Quickly react to changing patient status with technology that has been shown to respond and display changes in patient oxygenation and pulse rate more quickly than other technologies.

#### Motion Tolerance

Accurately assess patients' status during periods of movement or noise, avoiding dropouts or delays. VISOR is the 1st and only company to receive clearance for a motion-tolerant pulse oximetry.

#### Alarm Management

Distinguish between clinically significant desaturations and transient events with Visor alarm management, and identify indications of repetitive reductions in airflow through an adult patient's upper airway and into the lungs.

The Joint Commission, Anesthesia Patient Safety Foundation, American Society of Anesthesiologists and American Society of Pain Management recommend continuous monitoring of patients' oxygenation, respiration and ventilation, as a preventive measure and early alert to evolving respiratory compromise.

#### Proven Technology. State-of-the-art Design.

The eVITA 1 Bedside Respiratory Patient Monitoring System can responsive readings of oxygen saturation, pulse rate, and optional NIBP, Temp, respiration rate monitoring, so you may detect respiratory complications earlier and intervene sooner.

The standalone bedside monitor offers a flexible, contemporary design. Its modularity allows for on-site upgrades for new features and parameters, offering long-term functionality and flexibility. Its intuitive, easy-to-read, graphical user interface and color screen provide easy access to the critical information. Real time and historical trend data provide a complete picture of patient status, allowing for informed treatment decisions.



Examples of eVITA 1 screen layouts

# Features and Specifications

## Performance

### Measurement Range

SpO<sub>2</sub>: 1% to 100%

Pulse rate: 20 to 250 beats per minute (bpm)

Pulse amplitude: 0.03% to 20%

## Accuracy

### Saturation

Adult: 70% to 100% ±2 digits

Adult and neonate low sat: 60 to 80% ±3 digits

Neonate: 70 to 100% ±2 digits

Low perfusion: 70 to 100% ±2 digits

Adult and neonate with motion: 70 to 100% ±3 digits

### Pulse rate

Adult and neonate: 20 to 250 bpm ±3 digits

Low perfusion: 20 to 250 bpm ±3 digits

Adult and neonate with motion: 20 to 250 bpm ±5 digits

## Electrical

### Instrument

Type C, 5VDC

## Battery

Type: Li-Ion

Battery capacity: 6 hours under nominal load conditions

## Environmental

### Operating Temperature

Instrument: 5°C to 40°C (41°F to 104°F)

Transport/Storage Temperature (in shipping carton):

-40°C to 70°C (-40°F to 160°F)

### Operating Humidity

15% to 95% noncondensing

### Operating Altitude

-304.8 m to 4572 m (-1000 ft to 15,000 ft)

## Physical Characteristics

### Weight

3.4kg (7.5 lbs)

### Size

254 x 165 x 127 (mm)

10 x 6.5 x 5 (in)

## NIBP (Optional)

Method: Automatic oscillometric

Work mode: Manual / Automatic

Measurement Unit:

mmHg / kPa selectable

Measurement types:

Systolic, Diastolic, Mean

Range of systolic pressure:

Adult Mode: 40-270mmHg

Pediatric Mode: 40-200mmHg

Range of diastolic pressure:

Adult Mode: 10-215mmHg

Pediatric Mode: 10-150mmHg

Range of mean pressure:

Adult Mode: 20-235mmHg

Pediatric Mode: 20-165mmHg

Over-pressure protection:

Both Hardware and software over pressure protection

Accuracy: ±5mmHg

Resolution : 1mmHg

PR from NIBP: 20-250bpm

PR Resolution: 1bpm

PR Accuracy: ±2bpm

## Output

Stores up to 48 hours of trend data readings that can be downloaded for analysis and archive

## Display/Indicators

Pulse Amplitude Indicator (16 segments)

Plethysmographic waveform

Real time numbers

Real time trend data

Multiple alarm conditions

Up to 3 alarm conditions simultaneously

Visor Alarm Management

Battery Charging

Clock

Event Marker

Histogram Display

Clinical Log

Neonatal Default Mode

## Alarms

Audible and visual alarms for high/low saturation and pulse rate

Visor Alarm Management settings

Saturation Pattern Detection sensitivity setting:

Pulse Rate Delay settings

Audible and visual warning indicators for low-battery and sensor off

Audible and visual sensor disconnect alarms

Communication failure visual alarm

Backup audible alarm

Variable pitch beep tone for point-by-point changes in SpO<sub>2</sub>

User configurable sensor alarm prioritization

## Optional

NIBP, TEMP, RR, ETCO<sub>2</sub>

