



The **Criticare VitalCare 506N3** is a non-invasive blood pressure monitor. It can monitor up to three critical parameters; blood pressure, pulse oximetry, and predictive temperature. The machine can hold up to 100 blood pressure readings in its system while on a single battery charge. The VitalCare was designed to make spot-checking and continuous monitoring easy and adaptable for each patient's needs.

Features

- ComfortCuff NIBP measures on-inflation for faster, more comfortable readings.
- Choice of CSI's DOX or Nellcor OxiMax pulse oximetry.
- Audible and visual alarms are adjustable for use in continuous monitoring.
- Large responsive keys for fast spot-checks with easy to clean membrane keypad.
- Accommodates all patient types from adult to neonate.
- Multi-patient trend memory.
- Rechargeable battery with direct AC power.
- Optional FILAC or Alaris TurboTemp predictive temperature for quick, accurate measurements.
- Optional integrated printer for on-demand, automatic interval, trends or multi patient reports.



Specifications

Non-Invasive Blood Pressure

Technique: Oscillometric measure upon inflation
 Measurement Time: <40 seconds typical; 0 to 300mmHg;
 standard adult cuff
 Automatic Measurement
 Cycles: 1 - 60 minute; 2 - 4 hour; STAT
 Inflation Pressure Range: 30 to 300mmHg (Adult)
 30 to 150mmHg (Pediatric)
 20 to 150mmHg (Neonate)
 Resolution: 1mmHg
 Clinical Accuracy: SP-10:2002
 Transducer Accuracy: ± 2 mmHg or $\pm 2\%$ of reading, whichever is
 greater, over full range
 STAT mode: 5 minutes of consecutive readings

Pulse Oximetry

Range: 1% to 99%
 Resolution: 1%
 Accuracy (DOX only): 70% to 99% range: $\pm 2\%$;
 50% to 69% range: $\pm 3\%$;
 <50%: unspecified
 Accuracy (OxiMax Only): 70% to 99% range: $\pm 2\%$;
 <70%: unspecified
 Method: Dual wavelength LED
 Audio: Tone with each detected pulse; pitch varies with saturation

Heart (Pulse) Rate

Range: 20 to 300bpm
 Accuracy (DOX only): Greater of ± 1 bpm or $\pm 1\%$, of reading
 Unspecified for <30 or >240 bpm
 Accuracy (OxiMax only): Greater of ± 1 bpm or $\pm 1\%$, of reading
 Unspecified for <30 or >240 bpm
 Update Time: Every second
 Resolution: 1bpm
 Pulse Volume: 10 levels or Off

Alarms

Indication: Audible; Visual
 Volume: 10 levels or Off
 Silence: Yes; 2 minutes or permanent

Trend Memory

Memory: Last 24 hours
 Parameters: SpO2, pulse rate, NIBP, temperature
 Report Types: Single Patient or Multi-patient;
 Selectable formats



Specifications

Displays

Type: LED
 Parameters: NIBP, SpO2; temperature, pulse rate; pulse bar
 Status: Alarm Silence; Sensor; Low Battery; External
 Power; Patient Size
 Text: Alphanumeric LCD
 Languages: English, French, German, Italian, Portuguese, Spanish, Dutch, Danish

System Output

Com Port: Serial, RS 232-compatible

Printers

Type: Thermal array
 Tabular Mode: 1 - 60 minute intervals; 2 - 24 hour intervals;
 Auto on BP; Auto on Alarm, Off

Mechanical

Weight: Base unit with battery: 6.95 lb; 3.15kg
 Size: Base unit: 8.7" (H) x 7.1" (W) x 6.5" (D); 22cm (H) x 18cm (W) x 16.5cm (D)

Power Requirements

Voltage: 100 to 240 VAC, 50 to 60 Hz
 Battery: Sealed lead acid; Life: 8 hours
 Rechargeable: 6 hours

Environmental

Operating Temperature: 32° to 113° F; 0° to 45° C
 Storage Temperature: 23° to 122° F; -5° to 50° C
 Operating Humidity: 15% to 90%, non-condensing

Classification

Type of Protection: Class I equipment
 Degree of Protection: Type CF defibrillator-proof equipment
 Protection against Ingress: IPX1 rating, Drip-Proof Equipment

Mechanical

Com Port: Serial, RS 232-compatible

