



Moving performance and reliability *Forward™*

Criticare VitalCare™ Patient Monitor

A compact, versatile monitor ideal for continuous or spot-check monitoring.



506DNP3

The Rugged, Dependable Monitor.

Perfect for either spot-checks or continuous multi-parameter monitoring, the VitalCare is an easy-to-use monitor with a simple user interface and color-coded LED display. With more than 15 customizable configurations, the VitalCare offers maximum versatility while being extremely cost effective. Flexible options include proven oxygen saturation (SpO2) technologies, industry standard temperature probes, and an integrated printer. All units include heart-rate and the exclusive Criticare ComfortCuff® noninvasive blood pressure technology (NIBP).

The VitalCare also provides:

- Faster, more comfortable readings through our proprietary ComfortCuff® NIBP that measures on inflation

- Adult, pediatric and neonate settings to test a complete range of patients
- Adjustable audible and visual alarm settings during continuous monitoring
- Large, responsive keys on an easy-to-clean membrane keypad to expedite spot-checking
- A compact design with a built-in handle that is easy to attach to roll stands or wall mounts, making it highly transportable
- Connectivity to numerous Electronic Medical Records systems
- Parameters include ComfortCuff® NIBP, Heart Rate, DOX™ SpO2 or Nellcor OxiMax™ SpO2, Filac™ predictive temperature or Alaris TurboTemp™ predictive temperature. Printer optional with all configurations.

APPROPRIATE LOCATIONS

Physician and dental offices, post-surgical recovery, hospital admission departments, long-term care facilities, emergency departments, and urgent care centers

PRIMARY BENEFITS

Gentle on Patients. Our exclusive Comfort-Cuff blood pressure system measures during inflation and then rapidly deflates, minimizing patient arm discomfort.

Easy on staff. Simple menus and intuitive buttons make it easy for anyone to use.

Reliable. Compact unit is rugged and reliable. It will provide years of dependable use.



506DNP3



506LNV3

Optional configurations include SpO2, predictive temperature, and printer.



Criticare® VitalCare™ Patient Monitor



TECHNICAL SPECIFICATIONS

NIBP (NON-INVASIVE

BLOOD PRESSURE)

Technique: Oscillometric measure upon inflation

Measurement Cycle: < 40 sec. typical

STAT Mode: 5 min. of continuous measurements

Automatic Measurement: 1, 2, 3, 5, 10, 15, 30, 45, 60 min.; 2, 4 hrs; STAT

Inflation Pressure Range:

Adult: 30 to 300 mmHg

Pediatric: 30 to 150 mmHg

Neonate: 20 to 150 mmHg

Resolution: 1 mmHg

Transducer Accuracy: ±2 mmHg or ±2% of reading, whichever is greater over full range

Clinical Accuracy: Complies with AAMI SP-10:2002

PULSE OXIMETRY

Range: 1% to 99%

Resolution: 1%

Accuracy (DOX only):

70% to 99% range: ±2%

50% to 69% range: ±3%

< 49%: unspecified

Accuracy (OxiMax only): 70% to 99%

range: ±2% < 69%: unspecified

Method: Dual wavelength LED

Audio: Tone with each detected pulse; pitch varies with saturation

HEART RATE (PULSE)

Range: 30 to 300 bpm

Accuracy (DOX Only):

±1 bpm or ±1% of reading, whichever is greater; unspecified for <30 or >240 bpm

Accuracy (OxiMax Only):

±2 bpm or ±1% of reading, whichever is greater; unspecified for <30 or >240 bpm

Update Time: 1 sec.

Resolution: 1 bpm

Pulse Volume: 10 levels or Off

TEMPERATURE (TURBOTEMP)

Type: TurboTemp

Method: Predictive or continuous

Channels: 1

Predictive Mode Range: 96 to 106

degrees F (35.6 to 41.1 degrees C)

Continuous Mode Range: 80 to 106

degrees F (26.7 to 41.1 degrees C)

Accuracy:

±0.2 degrees F (±0.1 degrees C; measured in calibrated water bath while in continuous mode

Resolution: ±0.1 degrees F

or ±0.1 degrees C

Response Time: 10 seconds typical (oral)

TEMPERATURE (FILAC)

Method: Predictive of Continuous

Channels: 1

Range: 86° to 109.4F (30° to 43°C)

Accuracy (Continuous):

±0.2°F (±0.1°C)

Accuracy (Predictive):

±0.2°F (±0.1°C) (Compliant with EN 12470-3 and ASTM E1112:98)

Resolution: ±0.1°F (±0.1°C)

Predictive Response Time: 10 sec. typical

ALARMS

Indication: Audible; Visual

Volume: 10 levels or OFF

Silence: Yes; 2 minutes or permanent

TRENDS

Memory: Last 24 hours

Parameters: NIBP, SpO2, pulse rate, temperature

Report Types: Single patient or multi-patient; selectable formats

DISPLAY

Type: LED

Parameters: SpO2, pulse rate, NIBP, temperature, pulse bar

Status: Alarm Silence; Sensor; Low Battery; External Power; Patient Size

Text: Alphanumeric LCD

Languages: English, French, German, Italian, Spanish, Portuguese, Dutch and Danish

SYSTEM OUTPUTS

COM Port: Serial, RS232 compatible

PRINTER (OPTIONAL)

Type: Thermal array

Tabular Mode:

1 to 60 minute intervals; 2 to 24 intervals; auto on BP; auto on alarm; off

PHYSICAL PROPERTIES

Weight: Base unit with battery: 6.95 lbs (3.1 kg)

Size: 8.7 in (H) x 7.1 in (W) x 6.5 in (D)
22 cm (H) x 18 cm (W) x 16.5 cm (D)

POWER REQUIREMENTS

Voltage: 100 to 240 VAC; 50/60 Hz

Battery: 1 sealed lead acid

Battery Life: 8.0 hours, typical

Recharge Time: 6.5 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%, noncondensing

CLASSIFICATION

Electrical Protection: Class I Equipment

Degree of Protection: Type CF, Defibrillator-proof

Protection Against Ingress: IPX1, Drip-proof Equipment

AVAILABLE CONFIGURATIONS

506N3	NIBP only
506NP3	NIBP and Printer
506NV3	NIBP and TurboTemp™
506NVP3	NIBP, TurboTemp™, and Printer
506DNP3	NIBP, DOX SpO2, and Printer
506DN3	NIBP and DOX SpO2
506DNV3	NIBP, DOX SpO2, and TurboTemp™
506DNVP3	NIBP, DOX SpO2, TurboTemp™ and Printer
506LN3	NIBP and Nellcor SpO2
506LNP3	NIBP, Nellcor SpO2, and Printer
506LNV3	NIBP, Nellcor SpO2, and TurboTemp™
506LNVP3	NIBP, Nellcor SpO2, TurboTemp™, and Printer
506NT3	NIBP and FILAC
506NTP3	NIBP, FILAC, and Printer
506DNT3	NIBP, DOX SpO2, and FILAC
506DNTP3	NIBP, DOX SpO2, FILAC, and Printer
506LNT3	NIBP, Nellcor SpO2, and FILAC
506LNTP3	NIBP, Nellcor SpO2, FILAC, and Printer

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Criticare Systems, Inc., warrants new equipment to be free from defects in workmanship and materials for a period of two (2) years from date of shipment under normal use and service. The following exceptions apply to this statement and the warranty period as indicated:

- Internal Batteries: one (1) year
 - O2 Cells and CO2 Absorbers: six (6) months
 - 940 Series Multi-Site and Y style SpO2 sensors: six (6) months
- CSI's obligation under this warranty is limited to repairing or replacing, at CSI's option, any part which upon CSI's examination proves defective.

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