



VitalCare™ Series Patient Monitors

MULTIPLE CONFIGURATIONS | BATTERY MANAGEMENT | COST EFFECTIVE

Proprietary ComfortCuff™ NIBP, pulse oximetry and predictive temperature in one compact, easily transported monitor. Ideal for spot-checks or continuous vital signs monitoring.



Features

- Proprietary ComfortCuff™ NIBP measures on inflation for faster, more comfortable readings.
- Choice of Criticare's DOX™ digital SpO2 or Nellcor OxiMax™ SpO2 technology.
- Audible and visual alarms are adjustable; providing instant notification in the manner you need them.
- Alaris TurboTemp™ predictive temperature for quick, accurate measurements.
- Internal printer for on-demand, automatic interval, trends or multi-patient reports.
- Compatible with Criticare's VitalView® Central Station.

Spot-check or continuously monitor three critical parameters - on neonates to adults - with a single monitor.

Designed to travel everywhere you do, the VitalCare™ Series of patient monitors with integrated carry handle attaches quickly and easily to rollstands. Available in multiple configurations - with choice of Criticare or Nellcor oximetry - these VitalCare™ monitors provide maximum versatility and cost-effectiveness.

Smart battery management allows up to 100 NIBP measurements on a single charging. With a compact design that is easily set-up for spot-checks or continuous monitoring, the VitalCare™ Series patient monitors adapt readily to hospital, clinical and transport requirements.

VitalCare™ Series Patient Monitors

Technical Specifications

NIBP (Non-Invasive Blood Pressure)

Technique:	Oscillometric during inflation
Measurement Cycle:	< 40 sec. typical
Automatic Measurement Cycles (Selectable):	1 to 60 minute; 2 to 4 hour; STAT
STAT Mode:	5 minutes of continuous readings
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:	SP-10:2002

Pulse Oximetry

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

Heart (Pulse) Rate

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

Temperature (Alaris) Type:

Method:	TurboTemp™ Predictive or continuous
Channels:	1
Predictive Mode Range:	96° to 106°F (35.6° to 41.1°C)
Continuous Mode Range:	80° to 106°F (26.7° to 41.1°C)
Accuracy:	±0.2°F (±0.1°C) (measured in calibrated water bath while in continuous mode) ±0.1°F or ±0.1°C
Resolution:	10 seconds typical (oral)
Response Time:	

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, Portuguese, Spanish, Dutch, Danish

System Outputs

COM Port:	Serial, RS 232 compatible
-----------	---------------------------

Printer (optional)

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

Physical Properties

Weight:	Base unit with battery: 6.95 lbs; 3.1 kg
Size:	Base unit: 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, 120, 220, 240 VAC; 50/60 Hz
Battery:	1 sealed lead acid
Battery Life:	8.0 hours, typical
Recharge Time:	6.5 hours, typical

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

Configurations Available

506DNP3	NIBP, DOX™ SpO2, printer
506LNP3	NIBP, OxiMax™ SpO2, printer
506DNVP3	NIBP, DOX™ SpO2, TurboTemp™ temperature, printer
506LNVP3	NIBP, OxiMax™ SpO2, TurboTemp™ temperature, printer



CRITICARE
TECHNOLOGIES, INC.

Corporate Headquarters • 125 Commerce Park Road, North Kingstown RI 02852 USA

Customer Support • +1.800.458.4615 or +1.401.667.3837 • Fax +1.401.294.7541

Email CTISales@criticaretechnologies.com

Specifications subject to change without notice.

CTI 040 rev A