VitalCare™ Series Patient Monitors

MULTIPLE CONFIGURATIONS I BATTERY MANAGEMENT I 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.

● Optional FILAC FasTemp™ or Alaris TurboTemp™ predictive temperature for quick, accurate measurements.

● Optional internal printer for on-demand, automatic interval, trends or multi-patient reports.

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 attach quickly and easily to IV pole mounts or 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.

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 (FILAC)

Type:	FasTemp™
Method:	Predictive or continuous
Channels:	1
Range:	86° to 109.4°F (30° to 43°C)
Accuracy Continuous Mode:	±0.2°F (±0.1°C)
Accuracy Predictive Mode:	±0.2°F (±0.1°C) for ranges 37° to 39°C (Compliant with EN 12470-3 and ASTM E1112:98)
Resolution:	±0.1°F or ±0.1°C
Predictive Response Time:	Oral: 10 seconds typical;
	Axial: 10 seconds typical;
	Rectal: 10 seconds typical

Temperature (Alaris)

Type:	TurboTemp™
Method:	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)
Resolution:	±0.1°F or ±0.1°C
Response Time:	10 seconds typical (oral)

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

CE mark not applicable to TurboTemp™ models.
Quality systems registered to ISO 13485 and CE marking per Annex II, Clause 3 of Council Directive No. 93/42/EEC concerning medical devices.

Configurations Available

506N3	NIBP
506NP3	NIBP, printer
506NT3	NIBP, FILAC FasTemp™ temperature
506NTP3	NIBP, FILAC FasTemp™ temperature, printer
506DN3	NIBP, DOX™ SpO2
506DNP3	NIBP, DOX™ SpO2, printer
506DNT3	NIBP, DOX™ SpO2, FILAC FasTemp™ temperature
506DNTP3	NIBP, DOX™ SpO2, FILAC FasTemp™ temperature, printer
506LN3	NIBP, OxiMax™ SpO2
506LNP3	NIBP, OxiMax™ SpO2, printer
506LNT3	NIBP, OxiMax™ SpO2, FILAC FasTemp™ temperature
506LNTP3	NIBP, OxiMax™ SpO2, FILAC FasTemp™ temperature, printer
506NV3	NIBP, TurboTemp™ temperature
506NVP3	NIBP, TurboTemp™ temperature, printer
506DNV3	NIBP, DOX™ SpO2, TurboTemp™ temperature
506LNV3	NIBP, OxiMax™ SpO2, TurboTemp™ temperature
506DNVP3	NIBP, DOX™ SpO2, TurboTemp™ temperature, printer
506LNVP3	NIBP, OxiMax™ SpO2, TurboTemp™ temperature, printer

Specifications subject to change without notice.