

eQuality™ 506DN Patient Monitor

ComfortCuff® NIBP and pulse oximetry in an easy to use light weight monitor. Perfect for both spot checks and continuous vital signs monitoring in one affordable patient monitor.

Model 506DN

Features

- Proprietary *ComfortCuff™* NIBP measures on inflation for faster, more comfortable readings.
- Criticare DOX™ digital SpO₂ technology with waveform display.
- Audible and visual alarms are adjustable for use in continuous monitoring.
- Large responsive keys for fast spot checking with an easy to clean membrane keypad.
- On-screen menu selection for ease of setup and use.
- Adult, pediatric and neonate settings for a complete range of patients.
- Nurse call and connectivity to network systems.
- Trend last 24 blood pressure measurements with heart rate and SpO₂.
- Direct mains (AC) power so no adapter is required.



Criticare's eQuality™ 506DN is the monitor for everyone. An affordable monitor with features for both spot checks and continuous monitoring.

The 506DN patient monitor with sturdy carry-handle attaches quickly to a rolling stand. It can operate on battery power or directly from AC power. It is light weight and designed for ease of use as a mobile monitor.

With a compact design the 506DN patient monitor adapts readily to hospital, clinic and transport requirements.

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Technical Specifications

Non-Invasive Blood Pressure

Technique:	Oscillometric measure upon inflation
Measurement Time:	<40 seconds typical; 0 to 300 mmHg; standard adult cuff
Automatic Measurement Cycles:	1 - 60 minute; 2 - 4 hour; STAT
Inflation Pressure Range:	30 to 300 mmHg (Adult) 30 to 150 mmHg (Pediatric) 20 to 150 mmHg (Neonate)
Resolution:	1 mmHg
Clinical Accuracy:	SP-10:2002
Transducer Accuracy:	±2mmHg or ±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: ±2%; 50% to 69% range: ±3%; <50%: 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):	Greater of ±1bpm or ±1%, of reading Unspecified for <30 or >240 bpm
Update Time:	Every second
Resolution:	1 bpm
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 NIBP measurements
Parameters:	Systolic, Diastolic, Map, Pulse Rate (Records SpO2 pulse rate and SpO2 saturation if oximetry is monitored)
Trend Span	24 hours at 1 hour intervals

Displays

Type:	Monochrome LCD
Parameters:	NIBP, SpO ₂ , pulse rate; plethysmograph
Status:	Alarm Silence; Sensor; Low Battery; AC Power; Patient Size
Languages:	English and Spanish

System Output

Nurse Call:	Contact switch; 3.5mm phone jack
Com Port:	Serial, RS 232-compatible
Settings:	External Printer or CUSP

Mechanical

Weight:	4 lb; 1.8 kg
Size:	8.1" (H) x 5.5" (W) x 5.7" (D); 20.5 cm (H) x 14 cm (W) x 14.5 cm (D)

Power Requirements

Voltage:	100 to 240 VAC, 50 to 60 Hz
Battery:	Sealed lead acid; Life: 6 hours Rechargeable: 7 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



Sales and Service of Cardiology and Surgical Equipment and Supplies

Specifications subject to change without notice.