

# eQuality™ 506DN Patient Monitor

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



## Features

- Proprietary *ComfortCuff®* NIBP measures on inflation for faster, more comfortable readings.
- Criticare DOX™ digital SpO<sub>2</sub> 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 SpO<sub>2</sub>.
- Direct main (AC) power so no adapter is required.

**Criticare's eQuality™ 506DN is the monitor for everyone. An affordable monitor with features for both spot check 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 lightweight 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.

## Technical Specifications

### NIBP (Non-Invasive Blood Pressure)

Technique:	Oscillometric measure upon inflation
Measurement Time:	< 40 sec. typical; 0 to 300 mmHg; standard adult cuff
Auto Measurement Cycle:	1–60 minutes; 2–4 hours; STAT
Inflation Pressure Range:	Adult: 30 to 300 mmHg Pediatric: 30 to 150 mmHg Neonate: 20 to 150 mmHg
Resolution:	1 mmHg
STAT Mode:	5 minutes of consecutive readings
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:	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:	±1 bpm or ±1% of reading, whichever is greater; unspecified for <30 or >240 bpm
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 SpO <sub>2</sub> pulse rate and SpO <sub>2</sub> saturation if oximetry is monitored)
Trend Span:	24 hours at 1 hour intervals

### Displays

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

### System Output

Nurse Call:	Contact switch; 3.5 mm phone jack
COM Port:	Serial; RS232-compatible
Settings:	External printer or CUSP

### Mechanical

Weight:	4.5 lb; 2 kg
Size:	8 in (H) x 5.5 in (W) x 5.75 in (D) 20.3 cm (H) x 14 cm (W) x 14.6 cm (D)

### Power Requirements

Voltage:	100 to 240 VAC; 50/60 Hz
Battery:	Rechargeable, sealed lead acid
Battery Life:	8 hours typical
Recharge Time:	6 hours

### Environmental

Operating Temperature:	32° to 104°F; 0° to 40°C
Storage Temperature:	–4° to 149°F; –20° to 65°C
Operating Humidity:	5% to 95%, noncondensing

### 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



Quality systems registered to ISO 13485 and CE marking per Annex II, Clause 3 of Council Directive No. 93/42/EEC concerning medical devices.