

eQuality™ Patient Monitor

SpO2 WAVEFORM | TRENDS | ECONOMICAL

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.

Now with Bluetooth® Connectivity!



Features

- Proprietary ComfortCuff™ NIBP measures on inflation for faster, more comfortable readings.
- Criticare's DOX™ digital SpO2 technology with waveform display.
- Audible and visual alarms are adjustable for use in continuous monitoring.
- Large, responsive keys on an easy to clean membrane keypad for fast spot checking.
- On-screen menu selection provides 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 250 blood pressure measurements with heart rate and SpO2.
- Direct main (AC) power - no adaptor is required.
- Available with Bluetooth® connectivity.
- Compatible with Criticare's VitalView® Central Station.

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

Small, lightweight and easy to use, the eQuality™ makes an ideal mobile monitor that quickly attaches to a rollstand as well. The eQuality™ can operate on battery power or directly from AC without an adaptor. The compact design also makes it readily adaptable to hospital, clinic and transport requirements.

Technical Specifications

NIBP (Non-Invasive Blood Pressure)

Technique:	Oscillometric upon inflation
Measurement Cycle:	< 40 sec. typical; 0 to 300 mmHg; standard adult cuff
Automatic Measurement:	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:	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

Trends

Memory:	Last 250 NIBP measurements
Parameters:	Systolic, Diastolic, MAP, Pulse Rate (records SpO2, pulse rate and SpO2 saturation if oximetry is monitored)

Display

Type:	Monochrome LCD
Parameters:	NIBP, SpO2, pulse rate, plethysmograph
Status:	Alarm Silence; Sensor; Low Battery; External Power; Patient Size
Languages:	English, Danish, Dutch, French, German, Portuguese, Spanish

System Outputs

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

Physical Properties

Weight:	4.5 lbs. (2.0 kgs.)
Size:	8.0 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:	1 sealed lead acid
Battery Life:	8.0 hours, typical
Recharge Time:	6.0 hours, typical

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

Electrical Protection:	Class I Equipment
Degree of Protection:	Type CF, Defibrillator-proof
Protection Against Ingress:	IPX1, Drip-proof Equipment



CE mark not applicable to Bluetooth® equipped 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.

optional Bluetooth® printer



Configurations Available

506DN	Standard
506DNB	Standard with Bluetooth®