



The Criticare eQuality 506DV Vital Signs Monitor offers non-invasive blood pressure (NIBP) monitoring, heart rate and blood oxygen saturation (SpO2). It features both spot checking and only try monitoring. With its light weight design it can easily be carried or attached to a rolling stand. The Criticare equality monitor can either run off of ac power or by chargeable battery power. The memory on the eQuality vital sign monitor can store up to 250 reading and is easy to use with its large keys. The device can be connected to a network system to make management easy.

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 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 main (AC) power so no adapter is required.



Specifications

Physical Properties

Mechanical Weight: 4.5 lbs; 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)

Non-Invasive Blood Pressure

Technique: Oscillometric measure upon inflation
 Measurement Time: <40 seconds typical; 0 to 300mm Hg; standard adult cuff
 Automatic Measurement
 Cycles: 1 - 60 minute; 2 - 4 hour; STAT
 Inflation Pressure Range: 30 to 300mmHg (Adult)
 30 to 150mmHg (Pediatric)
 20 to 150mmHg (Neonate)
 Resolution: 1mmHg
 Clinical Accuracy: SP-10:2002
 Transducer Accuracy: ± 2 mmHg or $\pm 2\%$ of reading, whichever is greater, over full range
 STAT mode: 5 minutes of consecutive readings

Pulse Oximetry

Range: 1% to 99%
 Resolution: 1%
 Accuracy: 70% to 99% range: $\pm 2\%$;
 50% to 69% range: $\pm 3\%$;
 <50%: unspecified
 Method: Dual wavelength LED
 Audio: Tone with each detected pulse; pitch varies with saturation

Heart (Pulse) Rate

Range: 20 to 300bpm
 Accuracy: Greater of ± 1 bpm or $\pm 1\%$, of reading
 Unspecified for <30 or >240 bpm
 Resolution: 1bpm 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)

Displays

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



Specifications

System Output

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

Power Requirements

Voltage: 100 to 240 VAC, 50 to 60 Hz
 Battery: Rechargeable
 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%, 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

