

Criticare 506DX blood pressure monitors

VitalCare {Model 506DX} Specifications

Pulse Rate Display and Alarms

Source: SpO2 or NIBP
Resolution: 1 BPM
Range: 20-300 BPM
Accuracy: Greater of $\pm 1\%$ or ± 1 BPM
Unspecified for <40 or >290 BPM

Non-Invasive Blood Pressure

Technique: Automatic oscillometric upon inflation
Pressure Range: Adult mode: 30-300 mmHg
Neonate mode: 30-150 mmHg
Maximum Inflation Pressure: 300 mmHg
Accuracy: Greater of $\pm 2\%$ or ± 2 mmHg over full range
Measurement Cycle: <40 sec avg. (0-300 mmHg: Standard Adult

Cuff)

Automatic Measurement Cycles: OFF, 1, 2, 3, 5, 10, 15, 30, 45 or 60 minutes, 2 or 4 hrs;

STAT function initiates 5 minutes of consecutive NIBP measurements

Oxygen Saturation (SpO2)

Averaging Time: Selectable, 3, 6, 9, 12, 15, 18, or 21 seconds
Search Time: Selectable, 10, 20, 30, or 40 seconds
Sensor Type: Reusable or disposable
Range: 1-99%
Resolution: 1%
Accuracy: $\pm 2\%$ (70-99%); $\pm 3\%$ (40-69%); unspecified below 40%
Method: Dual-wavelength LED

Temperature (506DXNT only)

Range: Normal mode: 32.2°C to 42.2°C
(90.0°F to 108.0°F)
Monitor mode: 26.7°C to 42.2°C
(80.0°F to 108.0°F)

Resolution: $\pm 0.1^\circ\text{C}$ ($\pm 0.2^\circ\text{F}$)

Accuracy: $\pm 0.1^\circ\text{C}$ ($\pm 0.2^\circ\text{F}$) When tested in a calibrated water bath

(in monitor mode)

Battery

Type: Rechargeable lead-acid (sealed)
Rating: 6V, 4 A-H
Life: 6 to 8 hours
Recharge Time: 12 hours to 80% capacity
16 hours to 100% capacity

Power Requirements

- **Do not connect the monitor directly to any external power source!**
- **In order to ensure compliance with applicable IEC standards, use only the CSI Cat. Nos. 905 or 908 charger.**

Charger/transformer,

Charger Input Rating: Cat No. 905: 225 to 240V, 50/60Hz
Cat No. 908: 110 to 120V, 50/60Hz
Cat No. 902-1: 100 to 130V, 50/60Hz

Operating Environment

Temperature: 10° to 40° C (50° to 104° F)
Humidity: 15 to 90% (noncondensing)

Transport and Storage Environment

Temperature: -5° to 50° C (23° to 122° F)
Humidity: 15 to 90% (non condensing)
Atmospheric Pressure: 619 to 775 mmHg (825 to 1033 hP)

Display

Type: LCD , LED

Physical

Size: 6"H x 5" W x 5" D (15.24cm. H x 12.7cm. W x 12.7 cm. D)

Weight: 4.4 lbs. (2.2 kg)

Type of Protection: Class I Equipment

Degree of Protection: Type CF Equipment (SpO₂, temperature)
Type CF Equipment, Defibrillator-

Proof (NIBP only)

Protection Against Liquids: IPX 1 rating, Drip-Proof Equipment

Equipment not suitable for use in the presence of a flammable anesthetic mixture with air, oxygen or nitrous oxide.

Mode of operation: Continuous operation

Note: Specifications subject to change without notice.

Performance of the monitor may be adversely affected by exposure to high levels of electrostatic discharge.