

Monitoring — Oximeters

503DX



Detects and assess changes in oxygen saturation in record time. The miniSPO2T™ has the same advanced DOX™ digital technology as our multiple parameter vital signs monitors and lets you evaluate oxygen saturation and heart rate in a broad range of patients, from neonatal to adult. Small, lightweight, and easy to use, the miniSPO2T is ideal for spot-check and transport monitoring in hospitals, clinics, private offices, and EMS.

- Advanced DOX SpO2 and Heart Rate for routine, periodic spot-check measurements and transport monitoring.
- With just one compact, ultra-lightweight, handheld monitor, accommodate all of your patients - from neonatal to adult.
- Unique DOX digital SpO2 technology for improved pulse recognition and artifact rejection.
- Fully compatible with our comprehensive line of high-quality reusable and disposable sensors.
- 4 AA batteries provide 24 hours of continuous operation.

504DX



Exceptionally compact, lightweight, and designed for the way you work, the 504DX series offers advanced DOX™ pulse oximetry and heart rate monitoring, plus the reliability and ease of use that have put Criticare monitors in a class by themselves.

Ergonomic design and intuitive operations. Unique DOX™ digital SpO2 technology improves performance, even under the most challenging clinical conditions. Full-featured audible and visual alarms ensure accurate extended, unattended monitoring. The optional fully-integrated, internal printer produces high quality hard copies of graphic trends, tabular trends, and sleep summary reports. Sleep summary reports can be used to detect sleep apnea and requires no additional software. For additional analysis, the 504DX series is compatible with [Profox*](#) Oximetry sleep study software.

- Advanced DOX™ SpO2 and Heart Rate monitoring—from routine, periodic spot-check measurements—to extended, continuous monitoring.
- With just one compact, lightweight, portable monitor, accommodate all of your patients—from neonate to adult.
- Unique DOX™ digital SpO2 technology for improved pulse recognition and artifact rejection.
- Audible and visual alarms provide instant notification.
- Optional printer, with user-definable report formats, enables accurate documentation of SpO2 and heart rate—short term or overnight—for graphic, tabular, and sleep summary reports.
- 24-hour internal memory supports Profox* Oximetry sleep study software.
Built-in, rechargeable sealed lead acid battery ensures uninterrupted operation throughout patient transport or during power failure.

OPTIONAL PRINTER AVAILABLE

Monitoring — Vital Signs

CSI 506N3



Spot-check or continuously monitor three critical parameters; (SpO₂, NIBP, and predictive temperature) on neonates to adults with a single monitor. Advanced technology—including CSI DOX™ or Nellcor OxiMax™ pulse oximetry, CSI ComfortCuff™ NIBP, and FILAC® FasTemp® predictive temperature—and exceptional ease of use make our 506N3 series monitors the perfect solution to your clinical challenges.

Designed to travel everywhere you do, the lightweight 506N3 monitor with integrated carry-handle attaches quickly and easily to IV pole mount or rolling stand. Available in eight configurations—with or without predictive temperature, with or without internal printer, with CSI DOX™ or Nellcor OxiMax pulse oximetry—the 506N3 series provides maximum versatility and cost-effectiveness.

Custom Configurations:

- 506DN3: DOX SpO₂, NIBP, heart rate
- 506DNP3: DOX SpO₂, NIBP, printer, heart rate
- 506DNT3: DOX SpO₂, NIBP, temperature, heart rate
- 506DNT3P: DOX SpO₂, NIBP, temperature, printer, heart rate
- 506LN3: Nellcor SpO₂, NIBP, heart rate
- 506LNP3: Nellcor SpO₂, NIBP, printer, heart rate
- 506LNT3: Nellcor SpO₂, NIBP, temperature, heart rate
- 506LNT3P: Nellcor SpO₂, NIBP, temperature, printer, heart rate

Parameters:

- Non-Invasive Blood Pressure
- Pulse Oximetry
- Heart Rate
- Temperature (optional)

506DNeQuality

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.

Features and Benefits

- 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.

Parameters:

- Non-Invasive Blood Pressure
- Pulse Oximetry
- Heart (Pulse) Rate
- Range: 20 to 300bpm

Alarms

- Indication: Audible; Visual - Volume: 10 levels or Off
- Silence: Yes; 2 minutes or permanent



Monitoring — Multi Parameter



The nGenuity™ **8100E(P)** patient monitor is the perfect choice for busy departments demanding accurate, reliable performance.

Compact and lightweight, the nGenuity 8100E(P) patient monitor can monitor patients in virtually every department - at bedside or in transit. The innovative user interface features simplified menus and dedicated function keys for timely set-ups. The big, bright display with large numerics can easily be seen, even from across the room.

The nGenuity 8100E(P) patient monitor mounts quickly and easily to walls and roll-stands.

Custom Configurations:

Standard: ECG, ComfortCuff™ NIBP, DOX™ SpO2, HR, Temperature, Respiration, and Nurse Call interface connection.

Optional: ST/Arrhythmia and printer

Easy-to-read 10.4" active TFT color display - view up to 6 waveforms simultaneously. Easy to learn, easy to use menus, dedicated function keys, and simplified controls. Lightweight design and versatile mounting options - adapts readily to department and transport requirements.

Parameters: (Optional)

ECG - Connectors: 3- or 5-lead

Non-Invasive Blood Pressure

Pulse Oximetry

Heart (Pulse) Rate

Temperature

Respiration

Indication: Audible; visual

Silence: Yes; 2 min or permanent

Trend Memory;

Memory: 24 hr at 30 sec intervals

Display: Tabular, Graphical



The nGenuity™ **8100E1** Series patient monitors are the perfect choice for busy departments demanding accurate, reliable performance.

The nGenuity 8100E1 series patient monitor displays true end-tidal CO2 with numerical ETCO2 and INCO2 values as well as capnographic waveform. A smart respiration feature automatically defaults to the best available source, either CO2 or ECG TTI.

Criticare's advanced design capnometer module is accurate with breath rates up to 120 breaths per minute. Flow rate is set at 200 mL per minute for exceptionally fast response. A rise time responsiveness within 170 milliseconds provides outstanding waveform display.

The capnometer modules uses sidestream sampling and Criticare's patented Water-Chek™ water traps to remove moisture without distortion to the CO2 waveform. The water traps have a large 22 mL reservoir and full occlusion clearing capability unlike many other CO2 monitoring systems.

Compact and lightweight, the nGenuity 8100E1 series patient monitor can monitor adult and pediatric patients in virtually every department - at bedside or in transit. The innovative user interface features simplified menus and dedicated function keys for timely set-ups. The big, bright display with large numerics can easily be seen, even from across the room.

The nGenuity 8100E1 series patient monitor mounts quickly and easily to walls and rollstands.

Custom Configurations:

Standard: ETCO2, INCO2, ECG, ComfortCuff™ NIBP, DOX™ SpO2, HR, Temperature, Respiration, and Nurse Call interface connection.

Optional: ST/Arrhythmia and printer

Monitoring — Vital Signs/Anaesthesia



UPGRADE: 12" COLOUR TOUCH SCREEN

A powerful combination – proprietary CSI vital signs and 5-agent gas analysis technology. Versatile, reliable, and incredibly compact. Designed to operate simply, in less time, and with greater accuracy!

CSI's new 8500 Gas Monitor, together with the 8100H Vital Signs Monitor, provides a unique combination of leading edge vital signs technology and anesthesia gas monitoring in a compact, modular system. The Poet 8500 automatically identifies and quantifies inspired and expired CO₂, N₂O, O₂, and five anesthetic agents. The system's reliable performance, ease of use, flexible design, and affordable cost make it the ideal monitoring solution for anesthesia applications in hospitals and surgical centers.

Features and Benefits

- State-of-the-art NDIR technology identifies and measures five anesthetic agent gases: Halothane, Isoflurane, Enflurane, Sevoflurane, and Desflurane.
- Automatic or manual.
- Breath-by-breath O₂, CO₂, and N₂O monitoring.
- Gas flow sampled at 100, 150 and 200 ml/min.
- Mixed agent identification.
- Measurement accuracy is not affected by alcohol or keytones.
- Fast warm-up time ensures full accuracy within minutes.
- No user calibration required; minimal user interaction.
- Intuitive, easily configured user interface minimizes training and is ideal for multiple users.
- Bright, real-time display of numerical values and waveforms provides instant notification of changing patient status.
- Lightweight, portable design provides flexible workspace options.

Gas Monitoring

Method: Sidestream; Non-dispersive infrared (NDIR)
Identified Gases: Halothane, Isoflurane, Enflurane, Desflurane, Sevoflurane, CO₂, N₂O, Oxygen
Output Data: Inspired and end-tidal gas concentrations; continuous real-time gas concentrations; respiratory rate (elapsed time since last breath); agent identification (primary agent and mixed agents); system information (diagnostic status messages)

Agent Detection

Measurement Range:
Halothane: 0 to 10%
Isoflurane: 0 to 10%
Enflurane: 0 to 10%
Desflurane: 0 to 20%
Sevoflurane: 0 to 10%
CO₂: 0 to 12.5%
N₂O: 0 to 99%
Oxygen: 0 to 100%

Measurement Accuracy:

Agents: ± (0.1% abs. + 4% reading)
CO₂: ± 0.2% abs. or 4% of reading
N₂O: ± (1.5% abs. + 4% of reading)
Oxygen: ± 3 vol.% (for 0-90%), ± 4 vol.% (for 91-99%)

Time to Detect Agent: < 15 seconds @ 200 ml/min
Agent Detection Resolution: 0.1 Volume Percent
Mixed Gas Threshold: 0.2 vol. % +10% of total concentrations

Rise Time:

Agents: 450 msec

CO₂: 350 msec
N₂O: 400 msec
Oxygen: 600 msec

Respiration Rate:

Range: 1 to 60 breaths/minute
Accuracy: ± 2 bpm or 2% of reading

System Features:

System Configuration: Modular design with bi-directional communication, via cable, to the Poet Plus 8100 vital signs monitor.

Waveform Output:

Halothane, Isoflurane, Enflurane, Desflurane, Sevoflurane, CO₂, N₂O, O₂
Concentration Units: Vol.%, Torr, kPa, mmHg
Flow Rates: 100 ml/min, 150 ml/min, 200 ml/min
Occlusion Clearing: Automatic

Auto Zeroing: Occurs 30 to 60 minutes
Duration: 3.0 to 7.0 seconds
Manual user calibration not required
Temperature stabilized optical assembly

Alarm Characteristics:

EN 475, Adjustable; with audible and visual indications from the vital signs monitor.
Alarm Levels: High, Medium, Low, Informational

Alarm Modes: Adult/Pediatric/Neonate
High and low limit settings for each mode.

Monitoring — Vital Signs/Anaesthesia



The Criticare designers know what the competition is, studied it and come up with this.

This is the pre-launch of the brand new Criticare 9100 eVision patient monitor. It is a super sophisticated system than incorporates some very special and intelligent user interfaces. This includes a fully integrated 15" touch screen. It is a modular system. To protect your existing investments, Criticare have included an interface between your existing 8500 Anaesthesia Gas Bench, this means that the monitor can be used elsewhere.

This page will be updated once the specifications are confirmed.

Modules to be released:

- Super Module A: 3/5 Lead ECG/NIPB/TEMP/SpO2 DOX
- 12 Lead ECG
- SpO2 Nellcor OXIMAX
- IBD - 3 channels
- BIS
- AEP
- Anaesthesia Gases
- EtCo2
- Expansion rack

