

504DX Digital Oximeter

COMPACT | INTERNAL MEMORY | AFFORDABLE

Perform continuous or spot-check pulse oximetry on a broad range of patients, from neonate to adult. Exceptionally compact and portable with impressive capabilities - at a surprisingly affordable price.



Features

- Advanced SpO2 and heart rate monitoring - from routine, periodic spot-check measurements to extended, continuous and transport monitoring.
- Accommodate all of your patients - from neonatal to adult - with just one monitor.
- 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.
- 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.

The 504DX digital oximeter is exceptionally compact, lightweight, and designed for the way you work. With the advanced DOX™ oximetry and heart rate monitoring, the 504DX digital oximeter offers the reliability and ease of use that have put Criticare monitors in a class by themselves.

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 at user-defined intervals.

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Technical Specifications

Pulse Oximetry

Range: 0% to 99%
Resolution: 1%
Accuracy: 70% to 99% range: $\pm 2\%$
Method: Dual wavelength LED

Heart (Pulse) Rate

Range: 20 to 300 bpm
Resolution: 1 bpm
Accuracy: ± 1 bpm or $\pm 1\%$, whichever is greater

Alarms

Indication: Audible, visual (EN475); adjustable volume
Silence: Temporary (2 minutes) and Permanent
Parameter/Range: High Saturation: 70% to 98% or Off;
Defaults: Off
Low Saturation: 30% to 99% or Off;
85%
High Pulse: 80 to 250 bpm or Off;
150 bpm
Low Pulse: 20 to 150 bpm or Off;
50 bpm

Trend

Memory: 24 hr at 4 second intervals

Display

Type: LED
Parameters: SpO₂; pulse rate; pulse bar
Status: Alarm Silence; Sensor; Low Battery;
External Power; Neonate Mode
Text: Alphanumeric LED
Languages: User-selectable: English, French, German,
Italian, Portuguese, Spanish

Keys

8; membrane-activated

System Output

Com Port: RS 232 compatible, digital or analog;
mini-DIN
Serial Interface: ASCII, text, CSV; Profox compatible.
(Profox Oximetry software is a product of
Profox Associates, Inc.)

Printer (optional)

Type: Thermal
Tabular Mode: 5, 15, 30 sec intervals; 1, 2, 3, 5, 10, 15,
30, 60 min intervals; Off
Graphical Mode
Resolution: 5, 15, 30 sec; 1, 2 min
Span: 1, 4, 8, 12, 24 hr

Power Requirements

Voltage: 90 to 260 VAC; 47 to 63 Hz
Battery: 1 sealed lead acid
Battery Life: 6 hours, typical
Recharge Time: 8 hours, typical

Physical Properties

Weight: 3.34 lbs (1.52kg) with printer and battery
Size (base unit): 5.67 in (H) x 7 in (W) x 4.81 in (D)
14.4 cm (H) x 17.8 cm (W) x 12.2 cm (D)

Environmental

Operating Temperature: 32° to 113° F (0° to 45° C)
Storage Temperature: -4° to 122° F (-20° to 50° C)
Operating Humidity: 15% to 90%, noncondensing
Altitude: -1,280 to 12,000 ft (-390 to 3,658 m)

Classification

Type of Protection: Class II Equipment
Degree of Protection: Type CF, defibrillator-proof equipment
Safety: EN60601-1



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

Configurations Available

504DX Standard
540DXP Standard with printer