

504DX Digital Oximeter

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 monitoring.
- Accommodate all of your patients – from neonate 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 advanced DOX pulse 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 300bpm
Resolution:	1bpm
Accuracy:	± 1 bpm or 1%, whichever is greater

Alarms

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

Trend

Memory:	24 hr at 4 sec intervals
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Display

Type:	LED
Parameters:	SpO ₂ ; pulse rate; pulse bar
Status:	Alarm Silence; Sensor; Low Battery; External Power; Neonate Mode
Text:	Alphanumeric LCD
Languages:	User-selectable: English, French, German, Italian, Portuguese, Spanish

Controls

Keys:	8; membrane-activated
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System Output

Com Port:	RS 232-compatible; digital or analog; mini-din
Serial Interfaces:	ASCII, text, or CSV; Profox-compatible

Printer

Type:	Thermal line printer; optional
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

Physical Properties

Weight:	With printer and battery: 1.52kg; 3.34 lb
Size:	Base unit: 14.4cm (H) x 17.8cm (W) x 12.2cm (D); 5.67" (H) x 7" (W) x 4.81" (D)

Power Requirements

Voltage:	90 to 260 VAC, 47 to 63Hz
Battery:	Sealed lead acid; life: 6 hr, typical; recharge time: 8 hr

Environmental

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

Classification

Type of Protection:	Class II equipment
Degree of Protection:	Type CF, Defibrillator-proof
Safety:	EN 60601-1

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