

504DX Series

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

Features include:

- 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 neonatal 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.



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. In addition, the 504DX series interfaces with Profox Oximetry sleep study software.

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Technical Specifications

Pulse Oximetry

Range:	0% to 99%
Resolution:	1%
Accuracy:	70% to 99% range: $\pm 2\%$; 40% to 69% range: $\pm 3\%$; $<40\%$: unspecified
Method:	Dual wavelength LED

Heart (Pulse) Rate

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

Alarms

Physiological/System:	Audible; visual (EN475); adjustable volume
Silence:	Yes; Temporary (2 min) or 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

Displays

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

Data Storage

Capacity:	24 hr at 4 sec intervals
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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

Mechanical

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

Power Requirements

Voltage:	60 Hz: 110/120 VAC; 50 Hz: 220/240 VAC
Battery:	Sealed lead acid; life: 6 hr, typical; recharge time: 8 hr

Environmental

Operating Temperature:	32° to 113° F; 0° to 45° C
Storage Temperature:	23° to 131° F; -5° to 55° C
Operating Humidity:	15% to 90%, noncondensing



LR64484



Quality systems registered to ISO 9001 and CE self-marking per Annex II, Clause 3 of Council Directive No. 93/42/EEC concerning medical devices by TÜV Product Service GmbH, Munich.

Specifications subject to change without notice.
Manufactured in USA.