

## 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.

# 504DX Digital Oximeter

## 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:  $\pm 1$  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: SpO<sub>2</sub>; 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