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.

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.
Technical Specifications

Pulse Oximetry
Range: 0% to 99%
Resolution: 1%
Accuracy: 70% to 99% range: ±2%
Method: Dual wavelength LED

Heart (Pulse) Rate
Range: 20 to 300 bpm
Resolution: 1 bpm
Accuracy: ±1 bpm or ±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:
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
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


Configurations Available
504DX  Standard
540DXP  Standard with printer