



Vitalmax 540

A. Mechanical Description

Size	8.5" H x 3.25" W x 2.25"D (20.96 cm x 8.26 cm x 5.72 cm)
Weight	2 lb. 1.2 oz (0.94 kg)
Color	Beige and Aqua

B. Power Requirements

Operation	AC/DC
Internal battery	6V 1.3Ahr sealed lead-acid
Battery operating time	1.5 - 2 hours full charge
Battery charge time	8 - 10 hours
AC Adapter	110 - 120V / 50/60Hz 9 VDC / 1.5A Output, UL, CSA, GS

C. Performance Specifications

1. PULSE OXIMETRY (SpO2)

Saturation range	0-100%, adult/pediatric/neonate
Saturation averaging	8 beat average
Saturation accuracy	± 2% (70-100%), ±3% (50-69%), (0-49% unspecified)
Saturation alarm limits	Upper: 0-100% Lower: 0-99%
Pulse rate range	30 - 254
Pulse rate averaging	8 second average
Pulse rate accuracy	±2 % @ 30 - 100 bpm
Pulse alarm limits	Upper: 0-250 bpm Lower: 0-249 bpm
Pulse tone	Pitch adjusts to SpO2 value Volume adjustable
Pulse rate display	Waveform, digital, pulse amplitude
Sensor types	Finger, Universal "Y", ear lobe clip Disposable and reusable wrap probes

D. Display

Parameters/Alarms/Limits	High Intensity Red LED 0.4"
Time and Date	High Intensity Red LED 0.3"
Pulse Strength	10 Segment Logarithmic Red LED Bargraph
Signal Indicators	Green and Yellow signal LED

E. Printer

Type	27-column thermal printer
Output	ASCII parallel
Printing Width	46mm
Printing Speed	Approximately 0.8 lines per seconds
Paper Requirement	Thermal printer paper 7mm (L) x 58mm (W) 25mm roll diameter

F. Environmental Specifications

Temperature	Operating: 66°F - 386°F (19° Storage 40°F - 110°F (4.4 C - 43.3°C)
Relative humidity	Operating: 20-80% (non-condensing) Storage 10-90% (non-condensing)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.