



Small, light-weight
and portable pulse oximeter
with **NIBP** and **SPO₂**

► **A Quick Look**

- High resolution 6.5" (diagonally) LCD display
- 24 hours of data storage facility in graphical mode with zoom facility and separate tabular trend for 100 NIBP readings
- NIBP with three modes: manual, automatic, STAT
- Graded and color-coded audio/visual alarms
- Alarm recall facility to view last 16 critical alarms (patient related)
- Rechargeable battery backup
- External battery jack (12V) for car battery — transport application
- Can be used as transport and ambulatory monitor
- Suitable for neonate, pediatric and adult applications
- Optional printer

Features

Dimensions: 5.7" (w) x 8.7" (h) x 7.3" (d)
Weight: 7.7 lbs with in-built battery and recorder

Display

Resolution: 640 x 480 pixels
Type: Color
Size: 6.4"

Back Panel

VGA Output
Mains Power On/Off
RS-232 Output
Ground Connection
External Printer Port

Technical Specifications

Non-Invasive Blood Pressure

Oscillometric principle, display of systolic, diastolic, and mean pressure
 Modes Manual, STAT (5 min continuous), Automatic (interval 2 min. to 90 min.)
 Range 20 to 255 mm Hg
 Auto Zero Zero pressure reference is automatically established after every reading
 Cuffs Quick connect/disconnect
 Safety Features
 • Automatic deflation if:
 — Pressure exceeds 300 mm Hg for adult and 150 mm Hg for neonate
 — Measurement time exceeds 180 seconds (adult) or 90 seconds (neonate)
 — Microprocessor failure
 Alarm Limits Selectable for systolic and diastolic
 Range 20-250+ mm Hg
 Accuracy ±mmHg

Pulse Oximetry

Pitch variation with change in oxygen saturation
 SPO2 Range 0-100%
 Display of pulse strength, plethysmograph, PR and SPO₂ values;
 Display of perfusion on bar graph.
 Accuracy 100-70% (±3 digits), 69-50% (±3 digits), 49-0% (unspecified)
 Accuracy in neonatal monitoring 100-70% (± 3 digits)
 Modes Normal and fast response
 Alarms Low 50-95%, High 55-100%

Alarms

Alarm setting for all parameters.
 Patient Alarm Red flashing with audio and message indicator
 Equipment Alarm Yellow flashing with audio and message indicator
 Alarm auto-set facility provided
 Auto setting of alarm for PR and SPO₂
 Manual Setting Systolic and diastolic
 Alarm Recall Last 16 critical alarms with time and date
 Volume Control 4 Levels of volume

Trends

24 hr. of graphical and tabular trend for HR/PR, SPO₂
 NIBP Trend Last 100 readings (tabular)
 Alarm Recall Last 16 alarm events with date, time and message;
 2 hr. zoom for graphical trends with mark, record and print facility
 Time Scale 12 hr. (resolution of 3 min.) and 2 hr. (resolution 30 sec.) for graphical trend

Recording

• Optional in-built dual channel thermal recorder for recording two waveforms (selectable) with numerical data and alarm status.
 • NIBP and tabular trend recording with patient information.
 • Direct/Delayed/Continuous modes of recording.
 • Record On Alarm Facility (selectable)
 Speeds 25 mm/sec, 50 mm/sec

Power Supply

Universal Power Supply 95-265V AC, 50/60 Hz
 Power Ratings 40 watt
 Battery Type 14.8V, 14.4Ah (Li-ION)
 Operating Time 4 hours on fully charged battery (with full load & NIBP auto mode 2 mins. interval and recorder on for 2 mins.)
 Charging Time 100% charge in 6 hr. for fully discharged battery
 External Battery 12V DC input

Trace Speed

12.5, 25 or 50 mm/sec

