



# MODEL 34



## Pulse Oximeter with Alarms, Memory, Printer option, USB & Infrared Ports

### Applications

Physician's Office, Emergency Care, Hospitals, Clinics, Diagnostic Centers, Home Health Care, Sleep Screening

### Key Features

- Hand held pulse oximeter that is ideal for most continuous monitoring applications.
- Bright LED displays indicate oxygen saturation and heart rate from any angle and in most lighting conditions
- Bar graph displays for Pulse Amplitude and Perfusion Quality indication
- Online/Remote monitoring ability through USB port.
- Audible Pulse tone varies in pitch with rise & fall of Oxygen Saturation
- Audio and Visual alarms for saturation and pulse rate
- 136 hours patient data storage facility
- Rechargeable Lithium Ion battery & inbuilt charger circuit
- Plethysmograph display on computer using optional software.
- Ability to output/print trend data via USB & infrared ports.
- Simple keypad layout makes units user friendly
- Unique averaging sequencing technique updates values and provides faster response time
  - Continuous battery condition indicator
  - Fits easily into lab coat pocket

### Specifications

#### Pulse Oximetry and Heart Rate

<b>Display</b>	Two 3 Digit, 7-Segment LED for %SpO <sub>2</sub> & Pulse Rate Two 10-Segment LED Bar graph for Pulse Amplitude (PA) and Perfusion Quality (PQ) indication
<b>Resolution</b>	SpO <sub>2</sub> 1% Pulse 1 BPM
<b>Range</b>	SpO <sub>2</sub> 0 – 100% Pulse 25 – 250 BPM
<b>Reading Accuracy</b>	SpO <sub>2</sub> 100 – 70%, ± 2% Less than 70%, Unspecified  Pulse 25 – 250 BPM, ± 2 BPM or 2% whichever is greater
<b>Alarm</b>	High SpO <sub>2</sub> 87 – 100% Low SpO <sub>2</sub> 85 – 98% High Pulse 26 – 250 BPM Low Pulse 24 – 248 BPM

#### Sensors

Mediaid Pulse Oximetry sensors with Compushield® Connector

#### Size & Weight

<b>Size</b>	5.5 in x 3 in x 1.1 in (L x W x H) 14 cm x 7.6 cm x 2.7 cm (L x W x H)
<b>Weight</b>	202 gm, 7.12 oz (without sensor)

#### Electrical Ratings

<b>Charging Voltage</b>	9 V DC 750 mA
<b>Battery Type</b>	Rechargeable Lithium Ion
<b>Battery Run Time</b>	21 hours of Operation (in Sleep mode with low speaker volume)

#### Environmental conditions

(Acceptable conditions for operating, storage and transport)

<b>Atmospheric Pressure</b>	770 to 282 mmHg 1026 to 377 hPa
<b>Humidity</b>	5 to 95% (non condensing)
<b>Operating Temp</b>	0 to 40 °C
<b>Storage / Transport Temp</b>	-30 to 65°C



# PRINTER OPTION FOR MODEL 34



## Key Features

- High speed printing of patient report
- Infrared communication with Model 34
- Low power consumption
- Battery of DC mode options
- Single Charge battery life up to 2000 reports of 5cm each
- Audio & Visual Indication of power ON, charging completion & busy indication
- Operation controlled with single button switch
- Platen open Detection
- Paper out Detection

**The Model 34 has memory to retain oxygen saturation and pulse rate data, and can operate in three different modes to best suit your needs:**

- The Model 34 can retain up to 136 hours of information for a single patient, making the device ideally suited for treadmill or other long tests.
- The Model 34 can be used in walk around tests, storing more than 7200 data for up to 20 consecutive patients, tagging each reading with a patient number, time and date
- The Model 34 can also be used for sleep screening where data can be stored every 5 seconds for up to 18 hours.

## Specifications

<b>Print Data</b>	
<b>Print Method</b>	Line Thermal Dot Printing
<b>Resolution</b>	0.125 mm dots (8 dots/mm)
<b>Effective Printing Area:</b>	
	48 mm
<b>Paper Feeding Pitch</b>	0.125 mm
<b>Printing Speed</b>	18 lines per second (24 and also 42 characters in 1 line)
<b>Interface Conformity</b>	IR @ 9600 bps
<b>Thermal Paper</b>	
<b>Paper Thickness</b>	60-72 uM
<b>Paper Width</b>	57.5 mm
<b>Recommended Paper</b>	TF60KS-E Nippon Paper PDI50R Oji Paper
<b>Size &amp; Weight</b>	
<b>Size</b>	5.1 in x 3.2 in x 1.6 in (L x W x H) 13 cm x 8.1 cm x 4 cm (L x W x H)
<b>Weight</b>	240 gm, 8.46oz (without paper roll)
<b>Electrical Ratings</b>	
<b>Charging Voltage</b>	Single + 9V supply
<b>Consumption</b>	Less than 1mA in standby mode and few uA in deep sleep mode
<b>Environmental Conditions</b>	
<b>Operating Temp</b>	0 to 50 °C
<b>Relative Humidity</b>	5 to 90% (non condensing)



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