MEDIAID

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

Display	Two 3 Digit, 7-Segment LED for %SpO$_2$ & Pulse Rate
	Two 10-Segment LED Bar graph for Pulse Amplitude (PA) and Perfusion Quality (PQ) indication

Resolution

SpO$_2$	1%
Pulse	1 BPM

Range

SpO$_2$	0 – 100%
Pulse	25 – 250 BPM

Reading Accuracy

SpO$_2$	100 – 70%, ± 2%
	Less than 70%, Unspecified
Pulse	25 – 250 BPM, ± 2 BPM or 2% whichever is greater

Alarm

High SpO$_2$	87 – 100%
Low SpO$_2$	85 – 98%
High Pulse	26 – 250 BPM
Low Pulse	24 – 248 BPM

Sensors

Mediaid Pulse Oximetry sensors with Compushield® Connector

Size & Weight

Size	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)
Weight	202 gm, 7.12 oz (without sensor)

Electrical Ratings

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

Environmental conditions
(Acceptable conditions for operating, storage and transport)

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

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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

Print Data

Print Method	Line Thermal Dot Printing
Resolution	0.125 mm dots (8 dots/mm)
Effective Printing Area:	48 mm
Paper Feeding Pitch	0.125 mm
Printing Speed	18 lines per second (24 and also 42 characters in 1 line)
Interface Conformity	IR @ 9600 bps

Thermal Paper

Paper Thickness	60-72 uM
Paper Width	57.5 mm
Recommended Paper	TF60KS-E Nippon Paper PDI50R Oji Paper

Size & Weight

Size	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)
Weight	240 gm, 8.46oz (without paper roll)

Electrical Ratings

Charging Voltage	Single + 9V supply
Consumption	Less than 1mA in standby mode and few uA in deep sleep mode

Environmental Conditions

Operating Temp	0 to 50 °C
Relative Humidity	5 to 90% (non condensing)

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