



# ME50 HANDHELD PULSE OXIMETER



Quality, Management, Environment, Health & Safety Standards



CDSCO Certified



USFDA Listed



European CE



ISO 13485:  
NABCB/IAF



ISO 9001: IAF



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## INTRODUCTION

The ME50 is a Handheld Pulse Oximeter consisting of pulse oximetry and pulse rate analysis, which is designed to provide fast and reliable measurements of oxygen saturation (SPO<sub>2</sub>) and Pulse Rate (PR). It is a portable device for spot checking, monitoring of adult, pediatric, and neonate patients. It can be used in the hospital, clinical environment, daily household monitoring, and during transportation.

## FEATURES:



3.5 inch high resolution color LCD monitor.



Two types of power supply: AC Adaptor or lithium battery.



Three measurement modes: spot-checking, monitoring and recording.



Data can be stored on the computer and managed, analyzed and printed with a data analysis system



Mute sleep monitoring with data storage and automatic energy-saving functions , automatic shutdown after five minutes of non-use.



Three levels visual and audible alarm and the alarm ranges are adjustable.

SPECIFICATIONS	
ENCLOSURE	
Weight	265g (with batteries installed)
Dimensions	80mm(W) × 160mm(H) × 30mm(D) (3.1in × 6.3in × 1.2in)
Screen Size	88.9mm (3.5in), measured diagonally
Screen Type	TFT-LCD, white LED backlight
Resolution	320 × 480 pixels
ALARMS	
Categories	Patient status and system status
Priorities	Low, medium, and high
Notification	Audible and visual
Setting	Full storage, low battery, sensor off, etc.
Alarm Volume Level	45 to 85 decibels
Alarm System Delay	< 10 seconds
SPO <sub>2</sub> MEASUREMENT	
Measurement Range	0% to 100%
Accuracy	70%–100% (±2%), <70% undefined
Resolution	1%
Display Wave Speed	10.00 mm/sec

PULSE RATE	
Range	25 bpm to 350 bpm
Accuracy	$\pm 2$ bpm / $\pm 2\%$ (take maximum)
Resolution	1 bpm
ELECTRICAL	
Battery	Lithium-Ion, 4,400 mAh, ~15 hours of monitoring
Type	Lithium-Ion Battery
Voltage	3.7V
ENVIRONMENTAL CONDITIONS	
Temperature	-20°C to 55°C (-4°F to 131°F)
Atmospheric Pressure	700 hPa to 1060 hPa
Relative Humidity	0% to 95% non-condensing
ENVIRONMENTAL CONDITIONS	
Standard	Pulse oximeter, adult finger clip SpO <sub>2</sub> sensor, lithium battery, power adapter
Optional	Various SpO <sub>2</sub> sensors, data analysis software
TREND (DATA LOGGING)	
Memory	A trend chart can be formed based on monitoring data of the last half hour and updated in real-time
Tabular Format	One table for all parameters

# CERTIFICATIONS

Quality, Management, Environment, Health & Safety Standards



**50 Products  
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**8 products tested by a  
WHO-accredited laboratory**



**European CE**



**NABCB: ISO 13485**



**ISO 9001: IAF**



**ISO 14001: IAF**



**ISO 45001: IAF**



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**WHO GMP**



**BIFMA Certified,  
BIFMA Level 3**



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Free Products**



**ISO 2409**

**EN 13523-26,  
ISO 13849-1,  
IP 69, IP 65**

**& many other...**

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