

uPM50

Handheld Pulse Oximeter



The uPM50 is a Handheld Pulse Oximeter consisting pulse oximetry and pulse rate analysis which is designed to provide fast and reliable measurements of oxygen saturation (SPO2) 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.

- 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 Weight(with batteries installed)
Dimensions	80mmWx160mmHx30mmD (3.1in.Wx6.3in.Hx1.2in.D)
Display	
Screen size	88.9mm(3.5in.), measured diagonally
Screen type	TFT-LCD, white LED backlight
Resolution	320x480 pixels
Alarms	
Categories	Patient status and system status
Priorities	Low,medium,and high
Notification	Audible and visual
Setting	Full storage,low battery and sensor off etc.
Alarm volumelevel	45 to 85 decibels
Alarm systemdelay	<10seconds

SpO2

Measurement range	0% to 100%
Accuracy	70-100% ($\pm 2\%$), <70% undefined
Resolution	1%
Display wave speed	10.00 mm/sec

Pulse Rate

PR range	25bpm to 350bpm
Accuracy	$\pm 2\text{bpm}/\pm 2\%$ take maximum
Resolution	1bpm

Electrical

Battery	Lithium-Ion batteries with 4,400mAh will typically provide 15 hours of monitoring
Type	Lithium-Ion Battery
Voltage	3.7V

Environmental

Transport and Storage		Operating Conditions
Temperature	-20 °C to 55 °C (-4 °F to 131 °F)	5 °C to 40 °C (41 °F to 104 °F)
Atmospheric Pressure	700hPa to 1060hPa	
Relative humidity	0% to 95% non condensing	

Configuration

Standard	Pulse Oximeter, Adult finger clip SpO2 sensor, Lithium battery, power adapter
Optional	Various SpO2 sensors, Data analysis software

Trend

Tabular	
Memory	A trend chart can be formed based on the monitoring data of the last half hour and updated in real time.
Tabular format	One table for all parameters

Company profile

UTECH Co., Ltd., founded in July 2009, is a national high-tech enterprise focusing on digital medical devices and listed in OTC of Chongqing stock market. To provide medical devices and service for the global market, we have strategic partners all over China, and have branches in Adelaide, Australia. We devote to the R & D, manufacturing and sales of digital intelligent medical system. The R & D engineers of the company account for more than 30%. We have the R & D management process in conformity with the standards of EU CE, the US FDA and ISO 13485, and have formed a sophisticated system of R & D, manufacturing, quality control, marketing and service. Our main business scope includes vital information diagnosis and support, rehabilitation support, family health care, big data analysis and processing, veterinary health care and other aspects. Our products include patient monitor, pulse oximeter, infrared thermometer, medium frequency rehabilitation physiatrics instrument, electronic sphygmomanometer, central monitoring system, etc.



Customer Service



Company website

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