ENVISEN

HandyOxi500-SpO2 Monitor

eChip-the oximetry module you can trust

- Handy to possess
- Handy for patient care
- Handy to use
- Handy oximetry

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Versatility in Application

HandyOxi 500 has compact ergonomic design and integrated eChip technology that has the proven accuracy from Bickler laboratory of University of California San Francisco. It is a small device with powerful features and able to produce the reliable and ==quality== measurements even when patients are under low perfusion conditions. The device is ideal for spot checking and continuous monitoring in the following applications:
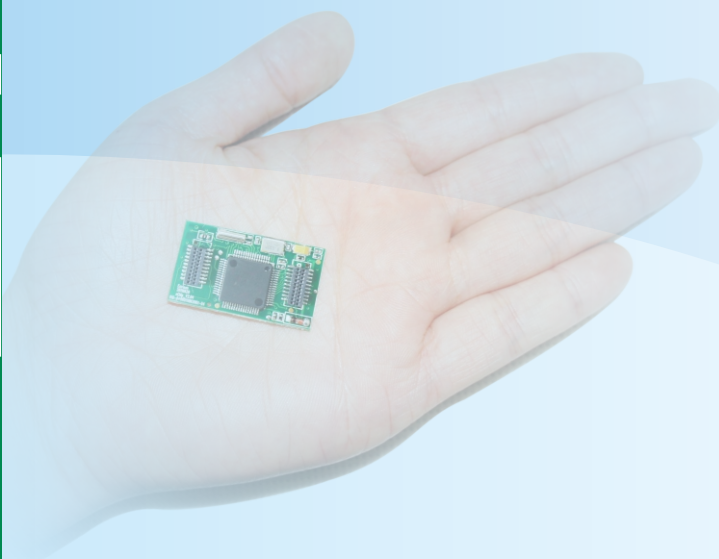
– Inpatient and outpatient care
– emergency medicine
– patient transport
– sleep laboratories
– nursing homes
– rehabilitations
– home based care

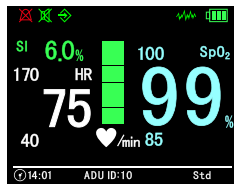## Wide range and flexible SpO$_2$ sensor solutions

The special developed SpO$_2$ sensors for HandyOxi accommondate a wide range of extremities from neonate to adult patients and meet your application needs while keeping high hygienic standards.

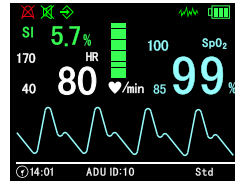The HandyOxi is available with the following SpO$_2$ sensors:

–Large finger clip sensor
–Large soft rubber sensor
–Small finger clip sensor
–Small soft rubber sensor
–Ear sensor
–Multiside Wrap sensor
–Multiside Y sensor
–Adult disposable sensor
–Pediatric disposable sensor
–Infant disposable sensor
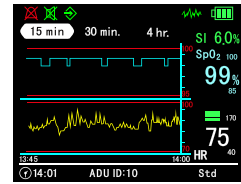–Neonate disposable sensor

The large finger clip sensor has a built–in accelerometer, which is patented design from Envisen, to detect the patient movement and artifact. This feature provides valuable information for the medical professionals in assessing the patient's true conditions. In addition, the superior advance algorithm ensures the sensor accuracy regardless of sensor type or design on different patients. Each type of sensors for HandiOxi has its own algorithm which will be activated when the coded sensor is plugged in. This solution optimizes the oximetry technology and making it possible to make more accurate measurement in critical situations with suitable sensors. Envisen's quality SpO$_2$ sensors offer proven performance with well known reliability and durability in usage.
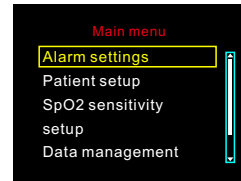
Display mode 1

Display mode 2

Display mode 3

Main menu

Alarm settings
Patient setup
SpO2 sensitivity
setup
Data management

Setup Menu

User friendly

HandyOxi comes with a 6 button operating interface coupled with large TFT color display for showing patient information. The small handy size provides effective solution for spot checking and overnight monitoring. It gives more valuable patient information than any traditional oximeters. It shows the signal index that is reflecting the patient perfusion conditions and patient movement in the measurement. This new generation oximeter is the perfect device for quick and reliable measurement of oxygen saturation for all patient groups.

Small in Size, Big in performance

- Small and compact for easy use in clinical and home care applications
- Color TFT to display measuring information and plethysmographic pulse waves
- 3 display modes for showing patient real time and history information
- Motion indicator to prevent misleading or faulty diagnostics
- Low perfusion measuring ensuring the performance on difficult patients
- 72 hours continues monitoring enable the device for overnight monitoring
- Alarm system indicating the critical conditions of a patient visually and acoustically
- User friendly manual structure and simple keypad design make the device really easy to operate
- Date recording and USB interface to PC
- Robust housing with silicon rubber protection cover

Signal Index

Motion Indicator

Comprehensive Standard Accessories

- Full range of SpO$_2$ sensors /with motion indicator
- Silicon protector
- PC software
- USB data cable

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Technical specifications

Measuring range	SpO$_2$	0%~100%
	Pulse rate	30~240 BPM
Measuring Accuracy	SpO$_2$	$\pm$2 (70%~100%), <70% not specified
	Pulse rate	$\pm$1digit (<100/min), $\pm$2digit (100~200/min) $\pm$3digit (>200/min)
Display	TFT/65Kcolor / 320X240dpts	
Indicators	Motion indicator, Signal quality, Perfusion, Pulse amplitude, Battery status, Alarm mute, Sensor status, Patient type	
Trend mode	5 min / 30 min / 4 hrs	
Response time	<10 Seconds	
Temperature compensation	Integrated NTC compensation in the device	
Power	4 Batteries (AA LR6)	
Operating time	72 hours	
SpO$_2$ alarm limits	Adjustable between 45~100 / off	
Pulse rate alarm limits	Adjustable between 30~240 /off	
Data storage	Max 560 hours	
Alarm founction	Visual and acoustic	
Personalisation	Device and data set (e.g. patient ID)	
Protection class	IPX2, II Type BF	
Interface	USB2.0	
Ambient pressure	600~1300hPA	
Operation Ambient	0~50℃, 15~95%RH	
Storage Ambient	-20~70℃, 10~95%RH	
Standards	ISO13485, ISO9919, IEC60601	
Conformity	CE 0197	
Weight	235g Without battery	
Dimensions(Device)	128mm*65mm*28mm	