

# HANDHELD PULSE OXIMETER

Technical Specifications									
Display		TFT color display		Display mode		2 modes			
Waveform		Pulse bar, pulse waveform		Parameters		SpO <sub>2</sub> , PR, PI			
SpO <sub>2</sub>	Item		Accuracy		PR	Item		Accuracy	
	No motion		70%-100%: ±2%			No motion		30-250bpm: ±2 bpm	
	Motion (fluke index2 simulator level2)		70%-100%: ±3%			Motion (fluke index2 simulator level2)		30-250bpm: ±3 bpm	
	Low perfusion performance		PI=0.1% 70%-100%: ±3%			Low perfusion			
PI	Measurement range			Accuracy					
	0.1-1.0%			±0.2%					
	1.1-20.0%			±20%					
Indication		Real-time battery status; Weak or unstable signal; Probe off; Finger out; Value limit alarm							
Data transmission		USB							
Brightness		Adjustable level 1-7							
Patient Range		Adult, adolescent, child and infant patients							
Power supply		3pcs AA-size batteries							
		AC adapter Input voltage: AC 100-240V, input frequency: 50-60Hz Output voltage: DC 5V±5%, output current: 2A MAX							
Certifications and standards		FDA, CE IEC 60601-1: 2005+A1: 2012, IEC 60601-1-2: 2007, ISO 80601-2-61: 2011, IEC 60601-1-8: 2006+A1: 2013							





ChoiceMMed Handheld Pulse Oximeter MD300M/MD300K2 series can replace the patient monitor and be used as bedside monitoring in hospitals and clinics. This series provide a practical cost-down solution for small clinics.

- High resolution TFT screen displays SpO<sub>2</sub>, PR, Perfusion Index (PI), pulse bar, and waveform
- Adjustable audible and visual alarms; battery-low indicator
- Adjustable backlight and voice
- 127 ID setup; 72-hour data storage and review
- MedView software for data analysis
- 3 AA-size alkaline batteries or AC/DC adapter (optional)
- Suitable for adult and pediatric
- Multi-language(Menu): English, French, German, Spanish, Italian, Japanese, Russian, and Chinese



AA-size batteries



SpO<sub>2</sub> probe



User manual



USB cable



MedView software



Package box



## Clinical and Testing Data

Handheld Pulse Oximeter has passed clinic trial, after 218 data points collection, the SpO<sub>2</sub> accuracy performance is identified below.

Compared to Reference CO-Oximeter, Functional SaO <sub>2</sub>	Functional SaO <sub>2</sub> 70-100% ARMS	# of Points	Specification 70-100% ARMS
Handheld Pulse Oximeter and its supporting M-50E012CS09 Oximeter probe	1.75	218	Pass ARMS of 3

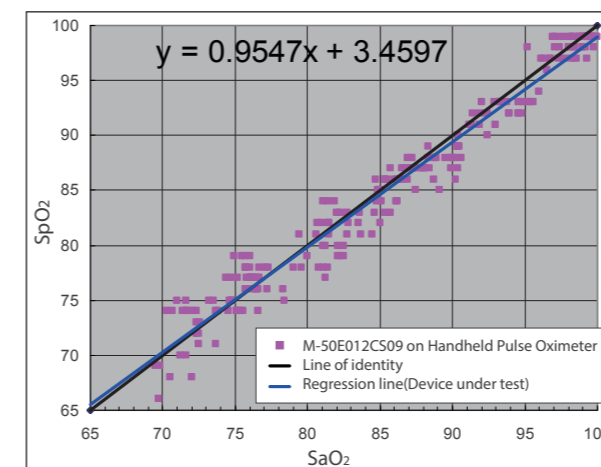


Figure 1— Scatter plot for Handheld Pulse Oximeter and its supporting M-50E012CS09 Oximeter probe vs Ref CO-Oximeter During Non-Motion Conditions

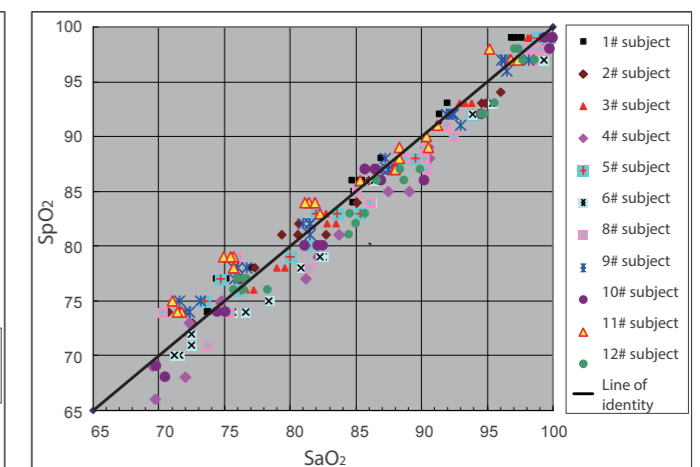


Figure 2— Scatter plot of Handheld Pulse Oximeter and its supporting M-50E012CS09 Oximeter probe During Non-Motion Conditions (symbols are represented by the subject number)

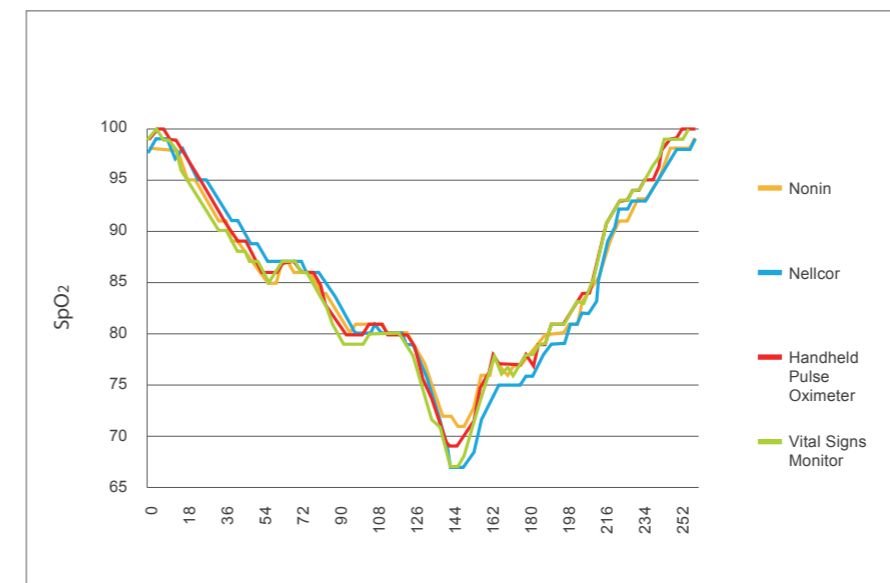


Figure 3— SpO<sub>2</sub> accuracy and response speed compared with Nonin and Nellor