

MD2000C			
Patient Range	Adult, and Pediatrics	Data Transmission	USB or Wired LAN or Wireless LAN
Weight	1.0±0.05kg	Dimension	292x168x148±5mm
Display			
Type	7" color screen	Parameters	NIBP, SpO ₂ , PI*, PR, TEMP, pulse bar, waveform
NIBP		SpO₂	
Method	Oscillometric	Measurement Range	70% - 100%
Operation Modes	Manual/Automatic/STAT	Accuracy	70% - 100%: ±2% 0% - 69%: unspecified
Measurement Unit	mmHg/kPa selectable	Low Perfusion Performance	PI*≥0.1%, 70% - 100%±3%
Measurement Types		PI*	
Measurement Range Adult		Measurement Range	0.1% - 20%
SYS 60 - 255mmHg		Resolution	0.1%
DIA 30 - 195 mmHg		Pulse Rate	
Over-Pressure Protection		Measurement Range	30 - 250bpm
Yes		Resolution	1bpm
Resolution	1mmHg	Accuracy	±2bpm or ±2% (the bigger one)
Storage		Alarm	
Spot-check Mode: 200 records Continuous Mode: 72 hours		Alarm: NIBP, SpO ₂ , PR, TEMP, probe off, finger out, low voltage Modes: Visible & 3-level audible alarms, Error code	
Standard Parameters		Optional Parameters	
SpO ₂ , PR, PI*, NIBP, TEMP		EtCO ₂ , blood glucose	
Environmental			
Operation Temperature: 5 C - 40 C (41-104 F) Storage Temperature: -25 C - 70 C (-13-158 F)		Operation Humidity: 15%~93%, non-condensing Storage Humidity: ≤93%, non-condensing	
Power		Classification	
Battery Type: Built-in rechargeable battery Operation time: About 3.5 hours (continuous operation) AC adaptor: AC 100-230V, 50/60Hz(±3Hz)		Protection Class: Type BF applied part Protection against moisture: IP22 Safety: IEC 60601-1	

PI*: Perfusion Index, only for the devices saled in EU version.



VITAL SIGNS MONITOR

MD2000C



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Product Description

MD2000C is a new mains / battery operated compact vital signs monitor; this powerful and portable platform offers healthcare professionals a range of measurements which includes non-invasive blood pressure, pulse rate, oxygen saturation, perfusion index, Bluetooth ear temperature, EtCO₂ (optional), and Bluetooth glucometer (optional). It works with spot-check and continuous monitoring modes.



Finish single patient measurement in about 60 seconds



Clinical and testing data

Vital Signs Monitor has passed clinic trial, after 218 data points collection, the SpO₂ accuracy performance is identified below.

Compared to Reference CO-Oximeter, Functional SaO ₂	Vital Signs Monitor and its supporting M-50E012CS09 Oximeter probe
Functional SaO ₂ 70-100% A _{RMS}	1.75
# of Points	218
Specification 70-100% A _{RMS}	Pass A _{RMS} of 3

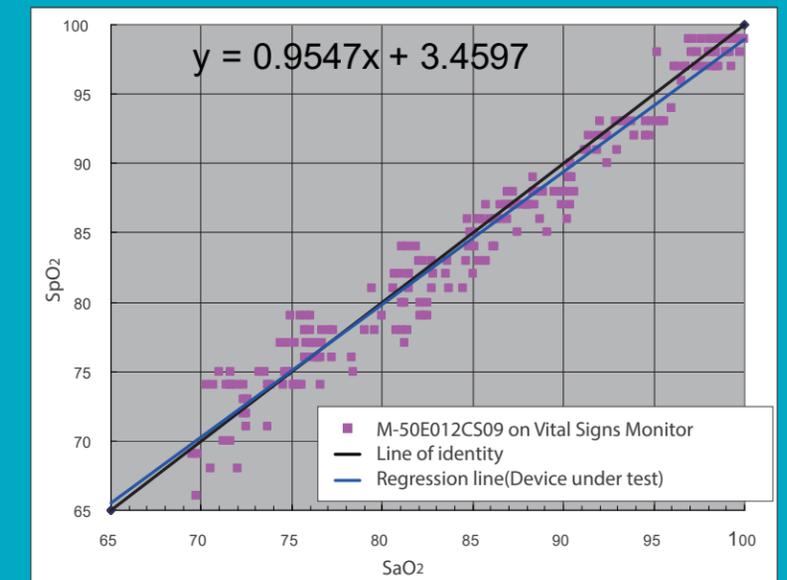


Figure 1 — Scatter plot for Vital Signs Monitor and its supporting M-50E012CS09 Oximeter probe vs Ref CO-Oximeter During Non-Motion Conditions

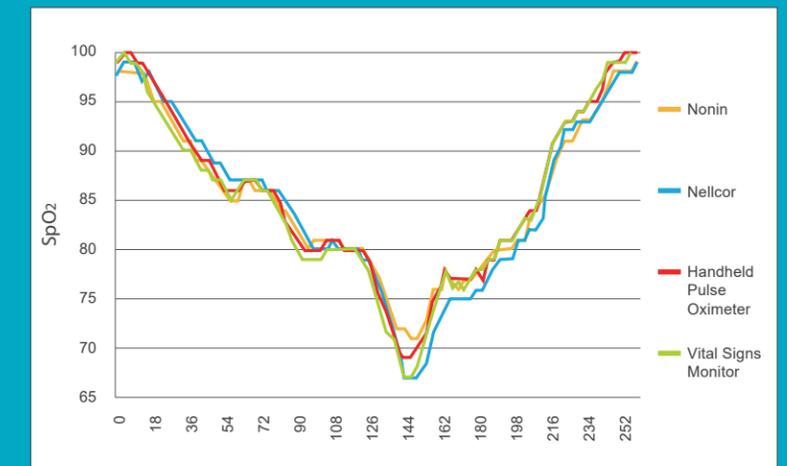


Figure 2 — SpO₂ accuracy and response speed compared with Nonin and Nellcor