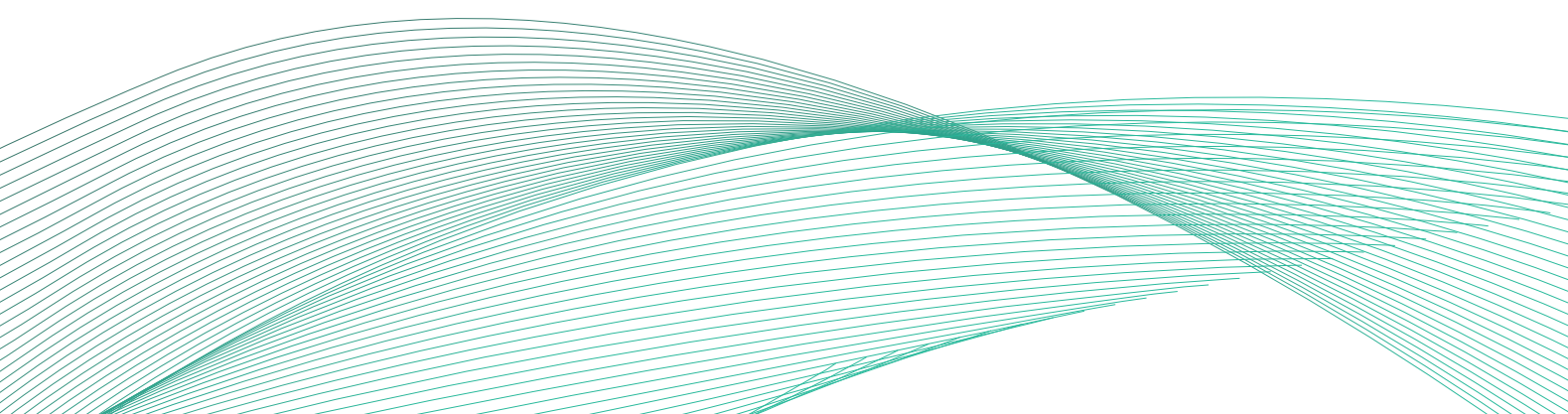


MDPRO2500

VITAL SIGNS MONITOR



Physical Specifications		
Dimension	(159±1) mm (W) × (262±1) mm (H) × (166±1) mm (D)	
Weight	<2.5 kg (standard configuration, without accessories)	
Power Supply		
Power Supply	100 V to 240 V~, 50 Hz/60 Hz	
Current	0.7 A-0.35 A	
Battery		
Battery Type	rechargeable lithium-ion battery	
Capacitance	≥2400 mAh	
Operating Time	≥3.5 hrs	
Fast Charging Time	<3 hrs,	
Charging Time	≤14 hrs	
Display		
Display screen	8 inch color TFT LCD, capacitive touch screen	
Resolution	800×480	
Data Storage		
Monitor Mode	Trend graph/Trend table	1 hr, at 1s resolution 120 hrs, at 1min. resolution
	Alarm/Monitoring Event data	Up to 200 sets
	NIBP Measurement Review	1200 sets
	Each 1 GB extension space for data storage: ≥400 hrs With all parameters on, storage interval of 1 s, one SpO ₂ wave, and one alarm event occurring for each 10 s.	
Round Mode	Round record	Up to 800 thousand sets
	SpO ₂	Up to 20 sets for a single patient
	NIBP	Up to 20 sets for a single patient
	TEMP	Up to 20 sets for a single patient
	Each 1 GB space for data storage: ≥100 thousand sets of round records. Up to 800 thousand sets of round records are supported (one round record has 20 original records).	
Spot-checking mode	Storage data maximally contains 16 million sets of spot-checking data for multiple patients.	
Recorder		
Record Width	49 mm~50 mm	
Paper Speed	12.5 mm/s, 25 mm/s, 50 mm/s	
Trace	1	
Recording types	Continual real-time recording 8 seconds real-time recording Recording manually	

	Physiological Alarm recording Trend graph recording Trend table recording NIBP review recording Alarm review recording Recording automatically NIBP auto triggered recording	
Wi-Fi		
IEEE	802.11b/g/n	
Frequency Band	2.4 GHz ISM band	
E-link (Bluetooth)		
Transmit Frequency	2402 MHz ~ 2480 MHz	
Frequency Band	2402 MHz ~ 2480 MHz	
Modulation	FHSS, GFSK, DPSK, DQPSK	
Interfaces and others		
USB Port	1	
Micro USB Port	1	
Network interface	1	
Nurse Call	Micro USB port	
Built-in Barcode Scanner	Optional	
NIBP		
EDAN Module		
Method	Oscillometric	
Mode	Manual, Auto, Continuous, Average	
Measuring Interval in Auto Mode	1/2/3/4/5/10/15/30/60/90/120/180/240/360/480 min	
Continuous	5 min, interval is 5 s	
Measuring Type	SYS, DIA, MAP, PR	
Average measurement	Interval	1/2/3/4/5 min
	Times	3/5
Measuring Range	Adult Mode	SYS: 40 mmHg to 270 mmHg DIA: 10 mmHg to 215 mmHg MAP: 20 mmHg to 235 mmHg
	Pediatric Mode	SYS: 40 mmHg to 230 mmHg DIA: 10 mmHg to 180 mmHg MAP: 20 mmHg to 195 mmHg
	Neonatal Mode	SYS: 40 mmHg to 135 mmHg DIA: 10 mmHg to 100 mmHg MAP: 20 mmHg to 110 mmHg

Cuff Pressure Measuring Range	0 mmHg to 300 mmHg	
Pressure Resolution	1 mmHg	
Maximum Mean Error	±5 mmHg	
Maximum Standard Deviation	8 mmHg	
Maximum Measuring Period	Adult/Pediatric	120 s
	Neonatal	90 s
Typical Measuring Period	20 s to 35 s (depend on HR/motion disturbance)	
Overpressure Protection	Adult	297 mmHg±3 mmHg
	Pediatric	245 mmHg±3 mmHg
	Neonatal	147 mmHg±3 mmHg
PR		
Measuring range	40 bpm to 240 bpm	
Accuracy	±3 bpm or 3.5%, whichever is greater	
SunTech Module		
Method	Oscillometric	
Mode	Manual, Auto, Continuous, Average	
Measuring Interval in AUTO Mode	1/2/3/4/5/10/15/30/60/90/120/180/240/360/480 min	
Continuous	5 min, interval is 5 s	
Measuring Type	SYS, DIA, MAP, PR	
Average measurement	Interval	1/2/3/4/5 min
	Times	3/5
Measuring Range	Adult Mode	SYS: 40 mmHg ~ 260 mmHg DIA: 20 mmHg ~ 200 mmHg MAP: 26 mmHg– 220 mmHg
	Pediatric Mode	SYS: 40 mmHg– 230 mmHg DIA: 20 mmHg– 160 mmHg MAP: 26 mmHg– 183 mmHg
	Neonatal Mode	SYS: 40 mmHg – 130 mmHg DIA: 20 mmHg– 100 mmHg MAP: 26 mmHg – 110 mmHg
Pressure Resolution	1 mmHg	
Maximum mean error	±5 mmHg	
Maximum standard deviation	8 mmHg	
Maximum measuring period	Adult	130 s
	Pediatric	90 s
	Neonate	75 s

Overpressure protection	Adult/Pediatric	<300 mmHg
	Neonate	<150 mmHg
PR		
Measuring range	30 bpm to 220 bpm	
Accuracy	±3 bpm or ±2%, whichever is greater	
SpO₂		
EDAN Module		
Measuring Range	0% to 100%	
Resolution	1%	
Data update period	1 s	
Accuracy	Adult/Pediatric	±2% (70% to 100% SpO ₂) Undefined (0% to 69% SpO ₂)
	Neonatal	±3% (70% to 100% SpO ₂) Undefined (0% to 69% SpO ₂)
PI (Perfusion Index)		
Measuring Range	0-10	
Resolution	1	
Pulse Rate		
Measuring Range	25 bpm to 300 bpm	
Resolution	1 bpm	
Accuracy	±2 bpm	
Nellcor Module		
Measuring Range	1% to 100%	
Resolution	1%	
Data Update Period	1 s	
Accuracy	MAX-A, MAX-AL, MAX-N, MAX-P,MAX-I, MAX-FAST	±2% (70% ~ 100% SpO ₂)
	D-YS (from infant to adult), DS-100A,OXI-A/N (adult), OXI-P/I	±3% (70% ~ 100% SpO ₂)
	If sensor is used for neonate as recommended, the accuracy will be larger than adult by ±1.	
Pulse Rate		
Measuring Range	20 bpm to 300 bpm	
Resolution	1 bpm	
Accuracy	±3 bpm (20 bpm to 250 bpm)	
TEMP		
T2A Module (EDAN Quick TEMP)		
Measuring range	Monitor mode: 25°C ~45°C Predict mode: 35.5°C ~42°C	
Sensor type	Oral /Axillary /Rectal	

Resolution	0.1°C	
Accuracy	Monitor mode: $\pm 0.1^{\circ}\text{C}$ (25°C ~ 45°C)	
Response time	< 60 s	
Time for predicting	< 30 s	
Measuring Mode	Direct Mode/ Adjusted Mode	
TH Module (Infrared Ear TEMP)		
Measuring range	34°C ~ 42.2°C	
Resolution	0.1°C	
Response time	1 s	
Clinical Accuracy	$\pm 0.2^{\circ}\text{C}$ (0.4°F) (35.5°C ~ 42°C) (95°F ~ 107.6°F) $\pm 0.3^{\circ}\text{C}$ (0.5°F) (out of the range mentioned above)	
Laboratory Accuracy	$\pm 0.2^{\circ}\text{C}$	
F3000 Module (Covidien Quick TEMP)		
Measuring range	30°C ~ 43°C	
Prediction measurement range	35°C ~ 43°C	
Cold mode prediction measurement range	33°C ~ 43°C	
Sensor type	Oral /axillary /rectal	
Resolution	0.1°C	
Accuracy	Monitoring Mode and Predictive Mode: $\pm 0.1^{\circ}\text{C}$ Quick Predictive Mode: $\pm 0.3^{\circ}\text{C}$	
Typical measurement time	Oral (Quick Predictive Mode): (3 ~ 5) s (non-fever temps); (8 ~ 10) s (fever temps)	
	Oral (Predictive Mode): (6 ~ 10) s	
	Axillary: (8 ~ 12) s	
	Rectal: (10 ~ 14) s	
	Monitoring Mode (all sites): (60 ~ 120) s	
Measuring Mode	Direct Mode /Adjusted Mode	
Safety Specifications		
Compliant with Standards	IEC 60601-1: 2005+A1 :2012; IEC 60601-1-2: 2014; EN 60601-1: 2006+A1 :2013; EN 60601-1-2: 2015; IEC 60601-2-49: 2011	
Anti-electroshock Type	Class I equipment and internal powered equipment	
Anti-electroshock Degree	SpO ₂ , NIBP, TEMP: BF	
Ingress Protection	IPX1	
Environmental Specifications		
Temperature	Working	+0°C to +40°C (32°F ~ 104°F) With TEMP: +10°C ~ +40°C (50°F ~ 104°F)

Temperature	Transport and Storage	-20°C to +55°C (-4°F ~ 131°F) With TH TEMP module: -20°C ~ +50°C (-4°F ~ 122°F)
	Working	15%RH to 95%RH (non-condensing)
Humidity	Transport and Storage	15%RH to 95%RH (non-condensing)
	Working	86 kPa to 106 kPa
Altitude	Transport and Storage	70 kPa to 106 kPa

** Specifications are subject to change without prior notice*