



www.epsimed.com

EPSIMED LLC
12930 SW 128TH ST #102, Miami, FL 33186 USA
isales@epsimed.com
Phone +1 786 429 1827
Mobile +1 786 238 5965



MONITOR MN – 100

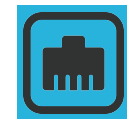
Multiparameter patient monitor





MN-100 Patient Monitor

The EPSIMED MN-100 patient monitor has abundant functions that can be used for clinical monitoring of: adult, pediatric, and neonatal patients. Users can select different parameter settings according to different requirements. The monitor can be power supplied by voltages of 100-240V~, 50/60Hz. It has a 10.4 inch color TFT high-resolution touch screen that shows the date and waveforms in real time. It can synchronously display from nine to thirteen waveforms and monitor full parameters. The patient monitor MN-100 is equipped with an optional three-channel thermal recorder.



The monitor can be connected with a centralized monitoring system via network cable and exchange information under HL7 communication protocol.



The EPSIMED MN-100 patient monitor allows user to view parameters such as ECG, RESP, NIBP, SpO2 and dual-channel TEMP. With options available for 2-IBP, EtCO2, Nellcor SpO2, SunTech NIBP, 12-lead ECG, CSM (Cerebral State Monitoring).

Lightweight, compact and portable

High resolution
10.4" TFT display



Optional

- 2-IBP, EtCO2,
- Nellcor SpO2,
- SunTech NIBP,
- 12-lead ECG,
- CSI (Cerebral State Monitoring)

User may select different parameter configuration according to different requirements

Functions

Standard parameters : ECG, RESP, SpO2, PR, NIBP, dual- channel TEMP

ECG HEART RATE (HR)

- ECG waveform
- Arrhythmia and ST-segment analysis

NIBP SYSTOLIC PRESSURE(SYS), DIASTOLIC, PRESSURE(DIA), MEAN PRESSURE(MEAN)

TEMP T1, T2, TD

RESP RESPIRATION RATE (RR)

- Respiration waveform

IBP (OPTIONAL)

- CH1: SYS, DIA, MAP
- CH2: SYS, DIA, MAP
- IBP waveform

SPO2 OXYGEN SATURATION (SPO2)

- Plethysmogram(PLETH) waveform

CO2(OPTIONAL) ETCO2

- InsCO2: Inspired Minimum CO2
- AwRR: Air Way Respiration

- Pulse rate (PR)

- Bar graph

It has abundant functions, such as audible and visual alarm, trend data storage and output, NIBP measurement, alarm event marking and drug concentration calculation, etc.



Standard Configuration



Touch Screen



Téchnical Specifications

ECG	
Input dynamic range:	±(0.5mVp~5mVp)
Differential input impedance:	≥10MΩ
Bandwidth:	0.05~150Hz (Diagnostic) 0.5~40Hz (Monitoring)
CMRR:	1~20Hz (Operation) ≥90dB (Diagnostic)
Sensitivity selection:	≥105dB (Monitoring & Operation)
Sweeping speed:	×1/4, ×1/2, ×1, ×2, ×4 and Auto 6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
HR measuring range:	15~350bpm
HR accuracy:	±1% or ±2bpm, whichever is greater
Pacemaker pulse detection and rejection function	

RESP	
Measuring range :	0~120rpm
Measuring accuracy:	±5% o ±2 rpm, whichever is greater

NIBP	
Technique:	Oscillométric method
Typical measuring time:	<30 seconds (adulto cuff)
NIBP measuring range: SYS:	40~275 mmHg (Adult) 40~200 mmHg (Pediatric) 40~135 mmHg (Neonate)
NIBP measuring range: DIA:	10~210 mmHg (Adult) 10~150 mmHg (Pediatric) 10~95 mmHg (Neonate)
NIBP measuring range: MAP:	20~230 mmHg (Adult) 10~165 mmHg (Pediatric) 10~110 mmHg (Neonate)

NIBP measuring range:	Mean difference : ±5mmHg Standard deviation: 8mmHg
NIBP measuring mode:	Manual, Auto, STAT,Multi-cycle mode
Auto measuring intervals:	1-480 min

SPO2	
Technique:	Dual-wavelength optical method
Measuring range:	0%~100%
Measuring accuracy:	Arm is not greater 2% for SpO2 range 70~100%
PR measuring range:	30~250bpm
PR measuring accuracy:	±2bpm or ±2%, whichever greater
Low perfusion performance:	As low as 0.3%

CO2	
Técnique:	Infrared optical method
Sampling mode:	Sidetream o Mainstream
Measuring range:	0~150mmHg
Measuring accuracy:	0~40mmHg ±2mmHg 41~70mmHg ±5% de lectura 71~100mmHg ±8% de lectura 101~150mmHg ±10% de lectura
Flow rate:	50ml/min ±10 ml/min (Sidestream)

IBP	
Técnique:	Strain gauge transducer
Input sensitivity:	5µV/V/mmHg
Measuring Range:	0~150mmHg
Measuring accuracy:	±2% or ±4mmHg, whichever is greater
Measuring positions:	ART, RAP, PA, LAP, CVP, ICP, AUXP1, AUXP2
Calibration:	zero calibrating

TEMP	
Measuring Range:	21.0~50.0 °C
Measuring accuracy :	±0.2°C desde 25~45°C

Cerebral State Monitoring (CSM)	
EEG Sensitivity:	±400µV
Noise level:	µVp-p, <0.4µV rms (1~250Hz)
CMRR:	>140dB
Input impedance:	>50Mohm
CSI and update:	0~100. filter: 6~42Hz, 1 sec. update
EMG%:	0~100 (logarithmic) filter: 75~85 Hz, 1 sec. update.
BS%:	0~100. filter: 2~42 Hz, 1 sec. update

OTHER SPECIFICATIONS	
Power supply:	AC 100V~240V, 50/60Hz, 60VA
Built-in lithium battery:	11.1V/4400mAh
Display:	15 inch TFT display
Alarming method:	3 level audible- visible alarm
Networking:	Ethernet

Standard Configuration	
Touch Screen, ECG, Respiration, SPO2, PR, NIBP, Temperature	

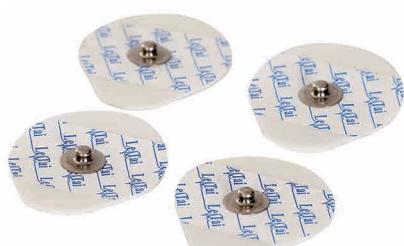
Options	
2-IBP, EtCO2, Nellcor SpO2, SunTech NIBP, 12-lead ECG, Cerebral State Monitoring (CSM),	



Standard Accessories



A
*One pack of five leads ECG Cable



B
One pack of ten piece of electrodes



C
*One adult SPO2 finger clip sensor with cable



D
One extension Cuff Cable



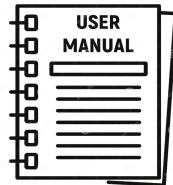
E
One adult Cuff



F
*One temperature probe



G
One power cable



H
User manual

*Referencial Picture

Used for adults, pediatrics and neonates



PHYSICAL CHARACTERISTICS

Dimensions:
295 mm(L) × 178 mm(W)
× 334 mm(H)
Peso 4.5 Kg