

Technical Specifications MN-150

ECG

Input dynamic range:	$\pm(0.5\text{mVp}\sim 5\text{mVp})$
Differential input impedance:	$\geq 10\text{M}\Omega$
Band width:	0.05~150Hz (Diagnostic) 0.5~40Hz (Monitoring) 1~20Hz (Operation)
CMRR:	$\geq 90\text{dB}$ (Diagnostic) $\geq 105\text{dB}$ (Monitoring & Operation)
Sensitivity selection:	$\times 1/4, \times 1/2, \times 1, \times 2, \times 4$ y Auto
Sweeping speed:	6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
HR measuring range:	15~350bpm
HR accuracy:	$\pm 1\%$ or $\pm 2\text{bpm}$, whichever is greater
Pacemaker pulse detection and rejection function	

RESP

Measuring range:	0~120rpm
Measuring accuracy:	$\pm 5\%$ o $\pm 2\text{rpm}$, whichever is greater

NIBP

Technique:	Oscillometric method
Typical measuring time:	<30 seconds (Adult 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 Measurement accuracy:	Mean Difference: $\pm 5\text{mmHg}$ Standard Deviation: 8mmHg
NIBP measuring NIBP:	Manual, Auto, STAT, Multi-cycle mode
Auto measuring intervals:	1~480 min

SPO2

Technique:	Dual-wavelength optical method
Measuring Range:	0%~100%
Accuracy Measuring:	Arm is not greater 2% for SpO2 range 70~100%
PR measuring range:	30~250bpm
PR measuring accuracy :	$\pm 2\text{bpm}$ or $\pm 2\%$, whichever greater
Low perfusion performance:	As low as 0.3%

CO2

Technique:	Infrared optical method
Sampling mode:	Sidetream o Mainstream
Measuring range :	0~150mmHg
Measuring accuracy:	0~40mmHg $\pm 2\text{mmHg}$ 41~70mmHg $\pm 5\%$ of reading 71~100mmHg $\pm 8\%$ of reading 101~150mmHg $\pm 10\%$ of reading
Tasa de flujo:	50ml/min $\pm 10\text{ml/min}$ (Sidestream)

IBP

Technique:	Strain gauge traducer
Input sensivity:	$5\mu\text{V/V/mmHg}$
Measuring range:	0~150mmHg
Measuring Accuracy:	$\pm 2\%$ or $\pm 4\text{mmHg}$, whichever is grater
Measuring positions:	ART, RAP, PA, LAP, CVP, ICP, AUXP1, AUXP2
Calibration:	Zero Calibrating

TEMP

Measuring Range :	21.0~50.0 °C
Measuring accuracy:	$\pm 0.2^\circ\text{C}$ desde 25~45°C

Cerebral State Monitoring (CSM)

EEG Sensitivity:	$\pm 400\mu\text{V}$
Noise level:	$\mu\text{Vp-p}$, $< 0.4\mu\text{V rms}$ (1~250Hz)
CMRR:	$> 140\text{dB}$
Input impedance :	$> 50\text{Mohm}$
CSI and update:	0~100. filtro: 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

Cardiac Output (C.O.)

Blood temperature measuring range:	23~43°C, accuracy: $\pm 0.5^\circ\text{C}$
Injecta temperature	
Measuring Range:	0~20°C, accuracy: $\pm 0.5^\circ\text{C}$
Measuring range :	0.2~20 L/min
Measuring accuracy :	$\pm 0.2\text{L/min}$ or $\pm 10\%$, whichever is greater

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 levels audible-visible alarm
Networking:	Ethernet

Standard Configuration

ECG, Respiration, SpO2, PR, NIBP, Temperature, Touch screen

Options

, 2-IBP, EtCO2, Nellcor SpO2, SunTech NIBP,
12-lead ECG, Cerebral State Monitoring, (CSM),
Cardiac Output, Central Monitoring Station, Multi-Gas Monitoring

Used for adults:
pediatrics, and
neonates



PHYSICAL CHARACTERISTICS

Dimensions:
357 mm(L) × 178 mm(W)
× 334 mm(H)
Weight 5.7 Kg