



Configuration	M301	M302	M303
SpO <sub>2</sub>	✓	✓	✓
NIBP	×	✓	✓
ECG	×	×	✓
RESP	×	×	✓
TEMP	×	×	✓
Masimo SET® SpO <sub>2</sub>	×	Optional	Optional
Recorder	Optional	Optional	Optional
EtCO <sub>2</sub>	Optional	Optional	Optional
Touch Screen	Optional	Optional	Optional
Stand	Optional	Optional	Optional

### Features

- 8" TFT Screen
- Portable, light weight and sturdy design
- Flexible parameter configuration for different clinical environment
- Rechargeable Li-ion battery (up to 4 hours)
- Graphical and tabular trends of 120 Hrs long, 60 Mins short, 1000 NIBP measurements and 200 Alarm events

# Specifications

## Display

Screen	8" Color TFT, Touch Screen (Optional)
Resolution	800 x 600
Indicator	Power & Battery Indicator light
Battery	Rechargeable lithium battery
Waveforms	Up to 7 waveforms
Patient Range	Adult, Paediatric, Neonate

## Interface

LAN	1 standard RJ45 Port
Networking	Wired or Wireless (Optional)
USB	2 USB connectors
SD	1 SD card socket
VGA	1 standard color VGA monitor connector
Output	1 Standard Connector for Nurse Call, Defib Sync Analog Output and Barcode scanner

## ECG

Lead Type	3 Lead, 5 Lead
Wave Sweep Speed	6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s bandwidth
Diagnostic Mode	0.05Hz–100Hz
Monitor Mode	0.5Hz to 40Hz;
Surgery Mode	1Hz to 20Hz
Strong Filter Mode	5Hz to 20Hz (CMRR) > 100dB Notch: 50/60Hz, Notch filter can be set to On or Off

## Respiration

Measurement Method	Thoracic electrical Bioimpedance
Measuring Lead	Lead I & II
Wave Gain	x0.25, x0.5, x1, x2
Respiratory Impedance Range	0.5–5Ω
Scan Speed	6.25mm/s, 12.5mm/s, 25mm/s

## Pulse Rate

Range	0–254 bpm
Resolution	1bpm
Accuracy	±3bpm (non-motion) ±5bpm (motion)
Refreshing Rate	1s

## Temperature

Accuracy	±0.1 °C
Measurement Range	5-50 °C
Channel	Two channels
Resolution	0.1 °C

## Alarms

Physiological Alarms	3 Level
Alarm Status	Silence, Pause, Sound off, Alarm Off
Alarm Parameters	User Settable

## SpO<sub>2</sub>

Measuring Range	0–100 %
Resolution	1 %
Accuracy	Adult/Paediatric : ± 2% (70%–100%) Neonate : ± 3% (70%–100%)
Refreshing Rate	1s
Masimo SET®	Optional

## NIBP

Method	Automatic oscillometric
Operation Modes	Manual/ Auto / STAT
Measurement Unit	mmHg/kPA selectable
Measurement Types	Systolic, Diastolic, Mean
Measurement Range	
Systolic Pressure	Adult Mode: 40–270 mmHg Paediatric Mode: 40–200 mmHg Neonatal Mode 40–135 mmHg
Diastolic Pressure	Adult Mode: 10–210 mmHg Paediatric Mode: 10–150 mmHg Neonatal Mode 10–100 mmHg
Mean Pressure	Adult Mode: 20–230 mmHg Paediatric Mode: 20–165 mmHg Neonatal Mode 20–110 mmHg
Accuracy	Max mean error ±0.5 mmHg
Measurement Interval	1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 180, 240, 480 minutes
Cuff Pressure range	0–280mmHg
Resolution	1mmHg

## Recorder (Optional)

Recorder	Built-in, Thermal Dot array
Waveform	2/3 Channels
Paper Width	50mm
Print Speed	12.5 mm/s, 25mm/s, 50mm/s

## CO<sub>2</sub> (Optional)

Accuracy	±0.2% of the reading
Measurement Range	0–15%
Rise Time	200ms, typical at 50ml/min flow rate
AWRR Range	0–150 bpm
AWRR Accuracy	±1 breath
Mainstream CO <sub>2</sub>	Optional

## Environmental Requirements

Power	AC100-250V, 50/60Hz
Temperature	Storage : 0–50 °C Operation : 0–45 °C
Humidity	Storage : 0–95% Operation : 0–85%

## Physical Specifications

Weight	2.2 Kg
Dimensions (mm)	270 (H) x 180 (L) x 140 (W)



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