

Meditec 300 Series

Vital Signs Monitors



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

Features

- 8" TFT LCD Screen
- Portable, light weight and sturdy design
- Flexible parameter configuration for different clinical environment
- Rechargeable Li-ion battery (up to 7 hours)
- Graphical and tabular trends of 120 Hrs long, 60 Mins short, 1000 NIBP measurements and 200 Alarm events



Meditec England

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

SpO₂

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	3 channels
Paper Width	50mm
Print Speed	12.5 mm/s, 25mm/s, 50mm/s

CO₂ (Optional)

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