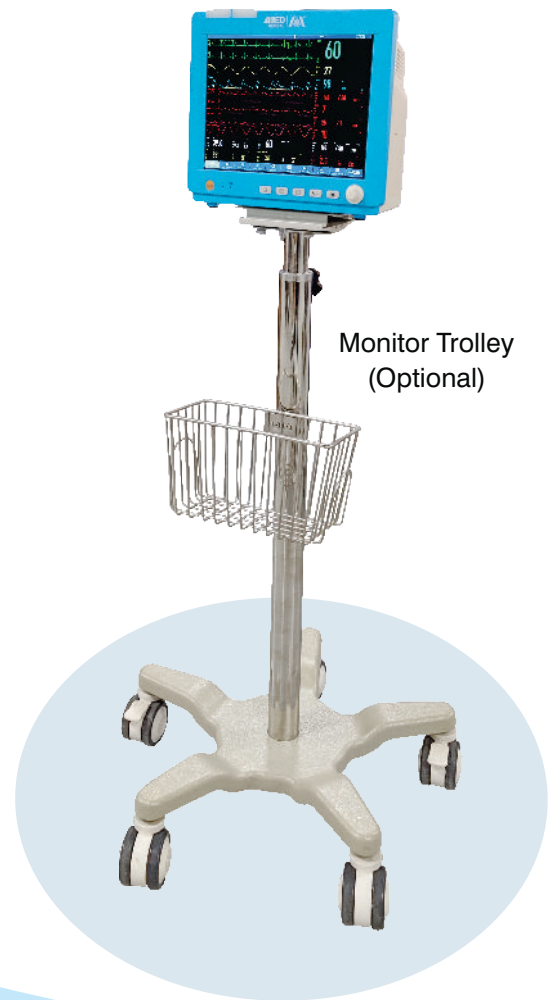




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# Meditec M747

## Multi-Parameter Patient Monitors



### Features

- 12.1" LED Touch Screen
- Pre-configured, light weight and sturdy design
- Flexible parameter configuration for different clinical environment
- Rechargeable Li-ion battery backup (up to 5 hours)
- Graphical and tabular trends of 168 Hrs.
- Export data to USB in excel format
- Defibrillation Interface & Cautery Protection

### Optional Features

- Dual IBP
- EtCO<sub>2</sub>
- In-built Thermal Printer
- Wall Mount
- Mobile Trolley
- Bed Rail Mount
- Connectivity with Central Monitoring System  
Wired/Wireless

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# Technical Specifications

## Display

General Parameters	Suitable Bedside monitors for Adult/Paediatric & neonatal patients User selectable priority alarms - Red, Yellow, Orange color coded
Sweep Speed	6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
Various working interface selectable	Standard Monitoring Display, Large Font Intensive Care Display, Trend Graph/ Monitoring Co-Display, Bed to Bed view Display, OxyCRG Dynamic View Display, Drug Dose Calculation Interface
Trends	Tabular & Graphical trends
Events	ECG, SpO <sub>2</sub> , NIBP with waveform & review

## ECG

Lead Mode	3 Leads (I, II, III), 5 Leads (I, II, III, aVR, aVL, aVF, V) 12 Leads (I, II, III, aVR, aVL, aVF, V1-V6)
Waveform	Up to 12 waveforms display on screen
4 selectable plus	0.25, 0.5, 1, 2 cm/mV
PACE Detection	Automatic
Defibrillation energy distributary	
Input voltage range	±8mV, polarized voltage: ±500mV
CMRR Diagnosis	> 100 dB (no 50Hz/60Hz software wave trap)
Monitor	> 110 dB (has 50Hz/60Hz software wave trap)
Surgery	> 100dB (50Hz/60Hz software wave trap)
System noise	< 30µV p-p (RTI)

## HR Measuring and Alarm Range

Adult/Paed	15 bpm – 300bpm
Neo	15 bpm – 350bpm
Accuracy	±1% or ±1bpm, which great
Resolution	1 bpm
Sensitivity	> 200 µV P-P
Differential Input Impedance	5 M
Electrode offset potential	300mVd.c. – 600mVd.c.
Patient leakage current	< 10 uA
ECG Signal Range	6 mV (Vp-p).
ST Segment Monitoring Range Measure and Alarm	-2.0 – +2.0 mV

## SpO<sub>2</sub>

Method	Self / Masimo
Measuring Range	1-100%
Alarm Range	1-100%
Resolution	1 %
Accuracy	
Adult / Paediatric	±1 digit (70%-100% SpO <sub>2</sub> )
Adult / Paediatric with Low-perfusion	Undefined (0-70% SpO <sub>2</sub> )
Neonate	±1 digit (70%-100% SpO <sub>2</sub> )
Neonate with Low-perfusion	Undefined (0-70% SpO <sub>2</sub> )
Pulse Rate Measuring and Alarm Range	20-300bpm

## IBP (Optional)

Channel	Up to 4 channel		
Label	ART, PA, CVP, RAP, LAP, ICP, P1, P2		
Static Pressure Measuring Range	(-)50 – +300 mmHg (up to 350 mmHg)		
Static Pressure Accuracy	±2% or ±1mmHg whichever is higher		
Dynamic Pressure Measuring Range	(-) 50 – +300 mmHg		
Dynamic Pressure Accuracy	2 % or 1mmHg which bigger		
Measuring and Alarm Range			
ART	0 – 300 (mmHg)	PA	6 – 120 (mmHg)
CVP/RAP/LAP/ICP	(-)10 – 40 (mmHg)	P1/P2	(-)50 – 300 (mmHg)
Resolution	1 (mmHg)		Zero range 200 mmHg

## NIBP

Method	Oscillometric
Mode	Manual, Auto, Continuous
Measuring Interval in AUTO mode	1/2/3/4/5/10/15/30/60/90/120/240/480 Min
Continuous	5min, interval 5s
Measuring Type	Systolic Pressure, Diastolic Pressure, Mean Pressure
Cuff Pressure measuring Range	0-300 mmHg
Pressure Resolution	1 mmHg
Mean error	3 mmHg
Maximum Standard deviation	3 mmHg
Over pressure protection	Dual Over pressure protection
Measured unit	mmHg/kPa selectable
Measurement types	Systolic, Diastolic, Mean Systolic : 40-300 mmHg Diastolic : 10-215 mmHg Mean : 20-235 mmHg
Pressure range for Paediatrics	Systolic : 20-235 mmHg Diastolic : 10-150 mmHg Mean : 20-165 mmHg
Pressure range for Neonates	Systolic : 10-235 mmHg Diastolic : 10-100 mmHg Mean : 20-110 mmHg

## Respiration

Method	Impedance between R-F (RA-LL), R-L (RA-LA)		
Respiration Rate Measuring and Alarm Range:			
Adult	0 rpm – 120 rpm	Neo/Ped	0 rpm – 180 rpm
Resolution	1 rpm	Accuracy	2 rpm
Gain Selection	0.25, 0.5, 1, 2, 3, 4, 5		
Apnea	10 – 60 Sec.		

## Temp

Channel	1 (Std.) / 2 (Optional)	Measuring Range	0-50°C
Sensor type	YSI (B Series) OR CF-FI	Resolution	0.1°C
Accuracy	0.1°C (25°C-45°C), 0.2°C (0-25°C, 45 – 50°C)		

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

Channel	Infra-red Absorption Technique		
Measuring Mode	Sidestream or Mainstream		
Measuring Range			
CO <sub>2</sub>	0 – 150 mmHg	AwRR	2 – 150 rpm
Unit	mmHg, %, Kpa	Resolution	1 mmHg, 0.1%, 0.1Kpa
CO <sub>2</sub>	1mmHg	InCO <sub>2</sub>	1mmHg
Accuracy - AwRR	±1 rpm		
Accuracy - CO <sub>2</sub>	2 mmHg, 0 – 40 mmHg Reading 5%, 41 – 70 mmHg		
Alarm Delayed - AwRR	10 – 40 seconds		
Response time	< 3 seconds, includes transport time, risetime		
Resolution	1%		

## Power Supply

Input Voltage	AC 100V-240V
Input Frequency	50/60Hz
Built-in Li-ion Battery Backup	5 hrs.

## Environmental Conditions

Storage	Temp	(-) 10°C – 40°C
	Humidity	15%-80%
Operational	Temp	0°C – 40°C
	Humidity	15%-80%
Atmospheric Pressure	700kPa-1060kPa	



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