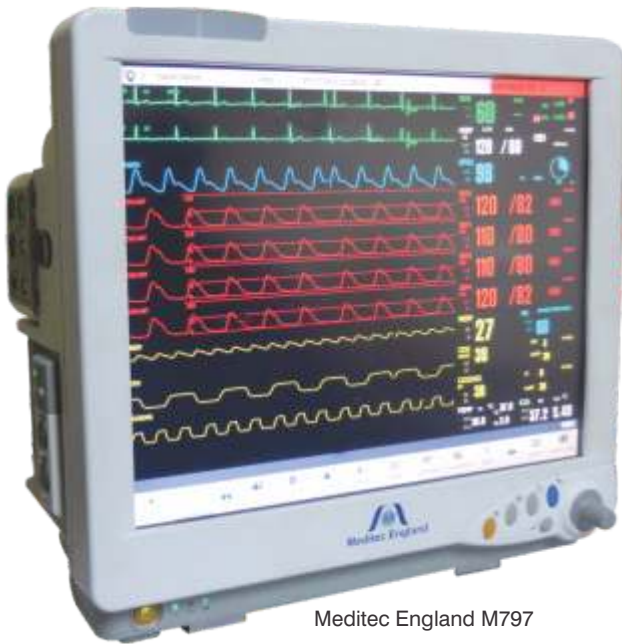


# Meditec M700 Series

## Patient Monitors



Meditec England M797



Meditec England M747

Meditec England M751



Standard Parameters	Upgradeable Parameters
ECG	IBP
NIBP	CO
SpO <sub>2</sub>	EtCO <sub>2</sub>
RESP	Multigas
TEMP	Depth of Anaesthesia
	ICG
	RM



# Advanced Monitoring Parameters



12-lead ECG waveform display

## ECG-CardioTec™ 12-lead ECG Analysis

- 12-lead ECG to analyze I, II, III, aVR, aVL, aVF, V1-V6 and display these waveforms on the same screen
- Two separate ECG cable to get accurate 12-lead ECG analysis

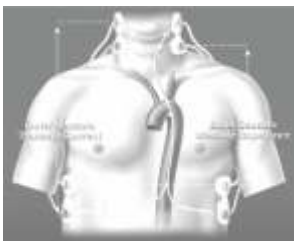


## SpO<sub>2</sub>- Masimo

- The first signal processing and sensor technology capable of accurately monitoring physiology during motion artifact and low perfusion

## Gold Standard of SpO<sub>2</sub>

- Identifies the venous blood and other noise, isolates them, and using proprietary techniques, extracts the arterial signal



## ICG - US Bloz® Non-invasive Hemodynamic

- Impedance cardiograph for non-invasive continuous hemodynamic monitoring
- Micro-signal transmit through disposable electrode
- Measurement and display of ICG
- Blood volume and Blood Flow Velocity varies with heartbeat. DISQ® technology processes impedance signal variation
- Variation of impedance applies to non-invasive Z MARC algorithm for acquiring SV, CO, SVR, Contractility and TFC etc.



# Advanced PlugIn Modules



IRMA Mainstream CO<sub>2</sub> & ISA Sidestream CO<sub>2</sub>



Nomoline™



Adult/Pediatric  
and Infant airway adapters



CAPNOSTAT® 5 Mainstream CO<sub>2</sub> & LoFlo™  
Sidestream CO<sub>2</sub>



Single use & Reusable Adapters  
for all kinds of patient



Sampling line

Multi-GAS - Sweden Phasein ISA™ & IRMA™  
Paramagnetic oxygen sensors

- Long life cycle
- Saving ongoing hospital cost



Support 4-Channel IBP measurement

- Abbott / Edwards/ BD / Utah IBP accessories can be selected to monitoring ABP, PAP, CVP, ICP etc

M797, M757 modular monitors with  
option of transport monitor and  
separate modules for all vital signs



Calculation Screens  
for Clinical use



Drug



Module Expansion Rack  
(M797, M757)



Oxygenation



Ventilation



Kidney



Hemodynamic



Feature	M797	M777
Screen Size	17"	15"
Touch Screen Operation	✓	✓
Type	Modular	Semi-Modular
ECG Leads	3/5	3/5
12 Lead ECG Monitoring & Analysis	✓ (Optional)	✓ (Optional)
ECG Review - Arrhythmia & ST Segment Analysis	✓	✓
SpO <sub>2</sub>	Self/ Nellcor/ Masimo	Self/ Nellcor/ Masimo
Temp Channels	2	2
IBP	Upto 4 (optional)	Upto 4 (optional)
EtCO <sub>2</sub>	✓ (Optional)	✓ (Optional)
Anaesthetic Gas Module (CO <sub>2</sub> , N <sub>2</sub> O, HAL, ISO, ENF, DES, SEV)	✓ (Optional)	✓ (Optional)
Paramagnetic Oxygen Monitoring	✓ (Optional)	✓ (Optional)
Cardiac Output	✓ (Optional)	✓ (Optional)
Depth of Anaesthesia / BIS & EEG	✓ (Optional)	✓ (Optional)
ICG - Impedance Cardiography	✓ (Optional)	x
Respiratory Mechanics (RM)	✓ (Optional)	x
Oxy CRG	✓	✓
Waveforms	Upto 12	Upto 12
Drug Calculator	✓	✓
Graphics & Tabular Trends	120 hrs	120 hrs
Defibrillation Interface & Cautery Protection	✓	✓
Pacemaker Detection	✓	✓
Built-in Li-ion Battery Backup	2 hrs	4 hrs
Data Storage and Review	4 USB & SD Card	2 USB & SD Card
HL7 Compliant	✓	✓
Nurse Call Compatible	✓	✓
Connectivity with Central Monitoring System	Wired/Wireless connectivity with Meditec CMS	Wired/Wireless connectivity with Meditec CMS
In-built Thermal Printer	✓ (Optional)	✓ (Optional)
Alarm System (Audible & Visual)	3 Level audio/ Visual alarm	3 Level audio/ Visual alarm
Net Weight	15 Kg	9 Kg
Module Expansion Rack	✓ (Optional)	x
Wall Mount	✓ (Optional)	✓ (Optional)
Mobile Trolley	✓ (Optional)	✓ (Optional)



<b>M757</b>	<b>M751</b>	<b>M747</b>	<b>M707</b>
12.1"	12.1"	12.1"	4.3"
✓	✓ (Optional)	x	Standard
Modular	Semi-Modular	Pre-Configured	Pre-Configured
3/5	3/5	3/5	3/5
✓ (Optional)	✓ (Optional)	x	x
✓	✓	✓	✓
Self/ Nellcor/ Masimo	Self/ Nellcor/ Masimo	Self	Self/ Nellcor/ Masimo
2	2	2	2
Upto 4 (optional)	Upto 2 (optional)	x	x
✓ (Optional)	✓ (Optional)	x	✓ (Optional)
✓ (Optional)	✓ (Optional)	x	x
✓ (Optional)	✓ (Optional)	x	x
✓ (Optional)	✓ (Optional)	x	x
✓ (Optional)	✓ (Optional)	x	x
✓ (Optional)	✓ (Optional)	x	x
✓ (Optional)	x	x	x
✓	✓	x	x
Upto 12	Upto 12	Upto 5	2 Channel
✓	✓	x	x
120 hrs	120 hrs	96 hrs	48 hrs
✓	✓	✓	✓
✓	✓	✓	✓
4 hrs	4 hrs	5 hrs	8 hrs
4 USB & SD Card	1 USB & SD Card	1 USB	x
✓	✓	x	x
✓	✓	✓	x
Wired/Wireless connectivity with Meditec CMS	Wired/Wireless connectivity with Meditec CMS	Wired/Wireless connectivity with Meditec CMS	Wired/Wireless connectivity with Meditec CMS
✓ (Optional)	✓ (Optional)	✓ (Optional)	x
3 Level audio/ Visual alarm	3 Level audio/ Visual alarm	3 Level audio/ Visual alarm	3 Level audio/ Visual alarm
13 Kg	6 Kg	6 Kg	Light Weight 1.2 Kg
✓ (Optional)	x	x	x
✓ (Optional)	✓ (Optional)	✓ (Optional)	x
✓ (Optional)	✓ (Optional)	✓ (Optional)	x





## M797

- Large screen display (17 inches)
- Specially designed for ICU, CCU and OR requirements
- Plug-in Modules provide easy interchangeability of modules between monitors
- Cost Saving as expensive modules can be interchanged between monitors
- Facility for attaching separate transport monitor



## M777

- Large screen display (15 inches)
- Specially designed for ICU, CCU and OR requirements
- Extended Battery life
- Multilevel Alarm System
- Upgradable Parameters



## M757

- Plug-in Modules provide easy interchangeability of modules between monitors
- Cost Saving as expensive modules can be interchanged between monitors
- Extended Battery Life
- Multilevel Intelligent Alarms
- Expandable Modules



## M751

- Specially designed for ICU, CCU and OR requirements
- Supplied with stylus, protective dust cover
- Intelligent alarm system with automatic alarm level identification
- Works best with Masimo SpO<sub>2</sub>
- Upgradable Parameters



## M747

- Reliable low cost monitor with basic parameters
- Portable handle
- Ideal for use in Wards and small OT's and ICU's
- Fixed configuration with stable output
- High quality display with 12.1 inches screen



## M707

- Ideal for Ambulance use and mobile applications
- Shock & Drop test proof, Waterproof
- High brightness clear display in sunshine with scratch proof LCD Screen
- Extended battery life of 8 hrs
- Interface with M797 monitor

## Display

Various working interface selectable	Standard Monitoring Display, Large Font Intensive Care Display, Trend Graph/ Monitoring Co-Display, Bed to Bed view Display (optional), OxyCRG Dynamic View Display, Drug Dose Calculation Interface
Sweep Speed	6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s

## ECG

Lead Mode	3 Leads (R, L, F or RA, LA, LL), 5 Leads (R, L, F, N, C or RA, LA, LL, RL, V)
Waveform	7 waveforms display on screen
4 selectable plus	0.25, 0.5, 1, 2 cm/mV
PACE detection	
Detection leads	7 selectable leads: I, II, III, AVR, AVL, AVF, V
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/Ped	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 MΩ
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	Nellcor Oxi-max/Masimo
Measuring Range	1 ~ 100 %
Alarm Range	1 ~ 100 %
Resolution	1 %
Accuracy with	
Adult / Paediatric with Low-perfusion	2 digits(70%~100% SpO <sub>2</sub> )
	Undefined (0~70% SpO <sub>2</sub> )
Neonate	3 digits(70%~100% SpO <sub>2</sub> )
	Undefined (0~70% SpO <sub>2</sub> )
Pulse Rate Measuring and Alarm Range	20~300bpm

## 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	0~280 mmHg
Pressure Resolution	1 mmHg
Mean error	5 mmHg
Maximum Standard deviation	≤8 mmHg
Over pressure protection	Dual Over pressure protection
Measured unit	mmHg/kPa selectable
Measurement types	Systolic, Diastolic, Mean Systolic : 40-270 mmHg Diastolic : 10-215 mmHg Mean : 20-235 mmHg
Pressure range for Paediatrics	Systolic : 40-235 mmHg Diastolic : 10-150 mmHg Mean : 20-165 mmHg
Pressure range for Neonates	Systolic : 40-135 mmHg Diastolic : 10-100 mmHg Mean : 20-110 mmHg

## Temp

Channel	2	Measuring Range	0 ~ 50 C
Sensor type	YSI (B series) and CF-FI	Resolution	0.1C
Accuracy	0.1C (25 ~ 45 C), 0.2C (0 ~ 25C, 45 ~ 50C)		

## 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 ~150 rpm
Resolution	1 rpm	Accuracy	2 rpm
Gain Selection	0.25,0.5, 1, 2, 3, 4, 5		

## IBP (Optional)

Channel	Upto 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		
Dynamical Pressure Measuring Range	-50 ~ +300 mmHg		
Dynamical 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

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

Method	Infra-red Absorption Technique		
Measuring Mode	Sidestream or Mainstream		
<u>Measuring range</u>			
CO <sub>2</sub> Unit	0 ~ 150 mmHg mmHg, %, Kpa	AwRR Resolution	2 ~ 150 rpm 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%		

## CO (Optional)

Method	Thermodilution Technique		
Measuring range - CO	0.1 ~ 20 L/min		
TB	23 ~ 43°C	TI	-1 ~ 27°C
Resolution - CO	0.1 L/min	TB, TI	0.1°C
Accuracy - CO	5% or 0.2 L/min	TB	0.1°C
TI	0.1°C		
Output parameters	CO, Hemodynamic Calculation		
Alarm range	23 ~ 43°C		

## Multigas (Optional)

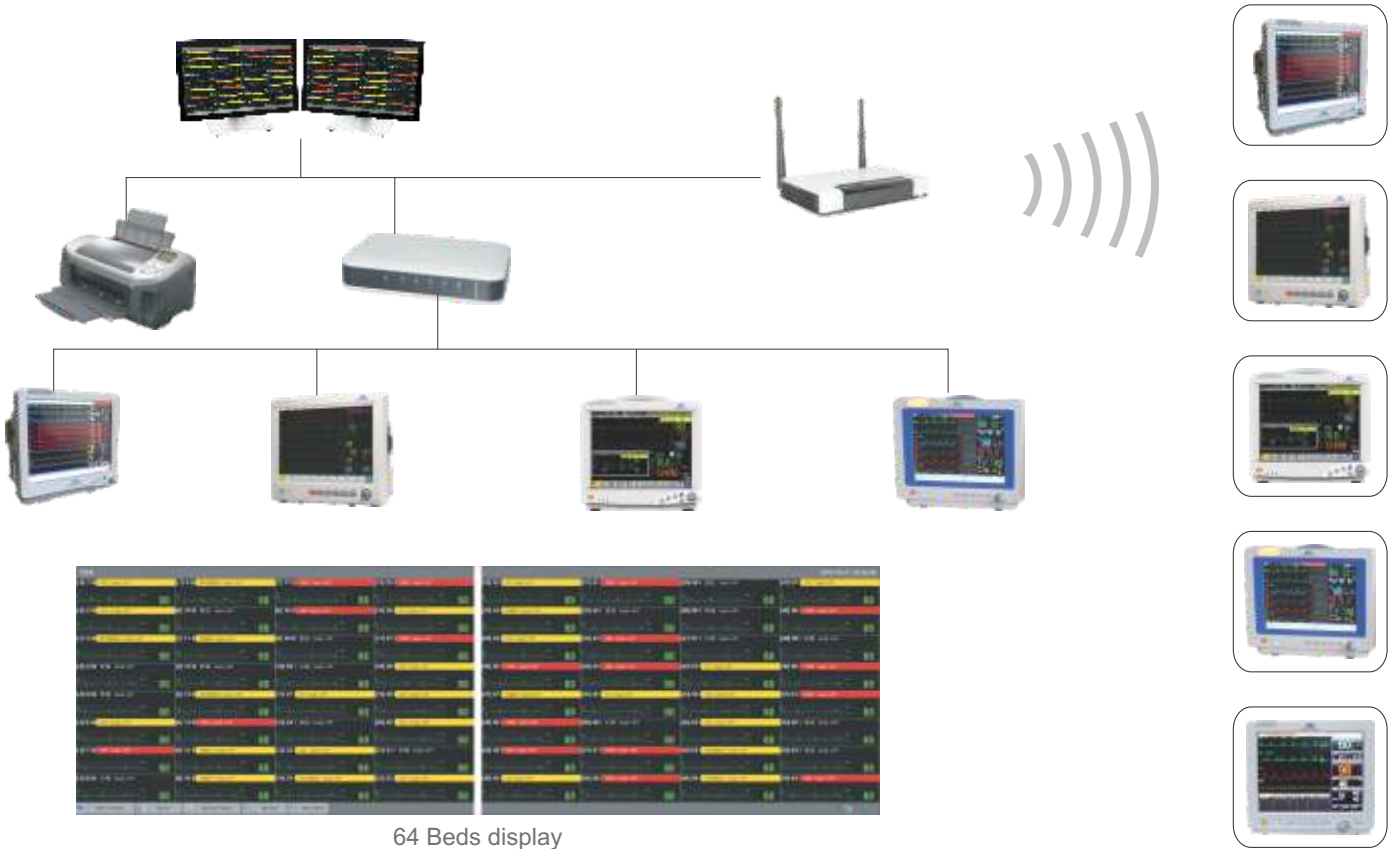
Technology	Side Stream or Main Stream		
Gas	CO <sub>2</sub> , N <sub>2</sub> O, Des, Iso, Hal, Sevo, Enf, O <sub>2</sub>		
Measuring range			
CO <sub>2</sub>	0 ~ 10%	O <sub>2</sub>	0 ~ 100%
N <sub>2</sub> O	0 ~ 100%	AwRR	2 ~ 100 rpm
Halothane	0 ~ 5%	Isoflurane	0 ~ 5%
Enflurane	0 ~ 5%	Sevoflurane	0 ~ 8%
Desflurane	0 ~ 18%		
Other	Up to 3 waveforms display, Agent mixture detection MAC value display		

## Recorder (Optional)

Built-in, direct thermal pixel array recorder upto 3 channel printing	
1, 2, 3 channel selectable	
Print speed	25mm/s, 50mm/s
Paper width	50mm

# Meditec England - Central Monitoring System

Bi-directional communication with Meditec Central Monitoring Station by wired or wireless connection



64 Beds display



Wave review and print preview



Large font display

## Benefits of Meditec England Central Monitoring System

- Complete solution for LAN, Wireless LAN
- Multi-display modes on dual or single screen
- Large storage capacity of waveforms and numeric information
- Monitoring upto 64 patients simultaneously
- Bi-directional communication with Meditec England bedside patient monitors
- Supporting wide screen and standard display



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