

Technical Specifications:

ECG	
Leads	3-lead / 5-lead, 12-lead
ECG waveform	I, II, III, V, AVR, AVL, AVF, V1, V2, V3, V4, V5 & V6
ECG Amplitude	2 channels, 7 channels, 12 channels
Display sensitivity	User selectable
Wave sweep speed	1.25mm/mV (X0.125), 2.5mm/mV (X0.25), 5mm/mV (X0.5), 10mm/mV (X1.0), 20mm/mV (X2.0), 40mm/mV (X4.0)
Bandwidth	6.25mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s
CMRR	Diagnostic mode Monitor mode Surgery mode Strong filter mode
Notch	>100dB
Differential input impedance	50/60Hz notch filter can be set to on or off
Electrode polarization voltage range	>5MQ
HR range & Accuracy	±400mV
ST segment	Range: 15 - 350 bpm; Accuracy: ±2bpm
Baseline recovery time	12 lead
Calibration signal	<3s after defibrillation (in monitor and surgery mode)
SPO2 (Digital)	1mV (peak - peak), accuracy ±3%
Measurement range	0-100%
Resolution	1%
Accuracy	±2% (40-100%) Adult/Pediatric, non-motion, low perfusion); ±3% (40-100%) Neonate, non-motion); ±3% (40-100%) motion);
Refreshing Rate	1s
Probe type	Clip/Wrap (Reusable & washable)
Pulse Rate	
Range	20-300 bpm
Resolution	1bpm
Accuracy	±2bpm (non-motion); ±2bpm (motion)
Refreshing rate	1s
Response delay	< 20 sec
Averaging Time	2, 4, 6 user selectable)
PI Range	0-10 with bar graph indicator
NIBP	
Measurement method	Automatic oscillometric method
Operating mode	Manual, Automatic, STAT
Measurement unit	mmHg/kPa selectable
Typical measurement time	20-40s
Measurement type	Systolic, Diastolic, Mean
Measurement range (mmHg)	Adult: 40-270 Pediatric: 40-200 Neonatal: 40-135
Range of Systolic pressure	Adult: 10-210 Pediatric: 10-150 Neonatal: 10-100
Range of Diastolic pressure	Adult: 20-165 Pediatric: 20-165 Neonatal: 20-110
Range of Mean pressure	
Measurement accuracy	±3mmHg
Maximum average error	8mmHg
Maximum standard deviation	1mmHg
Resolution	1,2,3,4,5,10,15,30,60,90,120,180,240,360,480 minutes
Interval	Software and hardware, double safety protection
Over-pressure protection	0-300mmHg (gentle cuffs)
Cuff pressure range	<2 secs
Cuff inflation time	
RESP	
Measurement method	Thoracic electrical bio-impedance
Measuring lead	Lead I, II
Wave gain	>0.25, <0.5, <1, <2, <3, <4, <5,
Respiratory impedance range	0.5-5
Respiration range	0-150bpm
Accuracy	±2bpm
Resolution	1bpm
Gain	7 grades
Scan speed	6.25mm/s, 12.5 mm/s, 25mm/ss
Apnea Alarm	10-40 sec (User selectable)
Alarm delay	<4 sec upto 20 rpm
Detection Threshold	<0.15 - 4.0 W (manual); 0.2 - 1.5 W (auto)
TEMP	
No. of Channels	2
Probe type	Rectal / Skin / Esophageal (reusable)
Measurement range	0-50°C
Resolution	0.1°C
Accuracy	±0.1°C
Update	every 1-2 sec
IBP (2 Channel)	
Channel	2-channel
ART / ABP	0 to 300 mmHg
PA	-6 to 120 mmHg
CVF/RAP/LAP/ICP/CPV/PPV	-10 to 40 mmHg
Measurement range	P1/P2 : -50 to 300 mmHg
Resolution	1mmHg
Accuracy	±0.5-1mmHg, whichever is greater (without sensor)
Sensitivity	50/100mmHg/V
Impedance range	300 to 3000Ω
EtcO2 (Upgradable)	
Sensor	Mainstream
Measurement range	0-19.7%, 150mmHg, or 0-20kPa
Resolution	0.1mmHg
Measurement accuracy	0 - 40 mmHg: ± 2 mmHg; 41 - 70 mmHg: ± 5%; 71 - 100 mmHg: ± 8%; 101 - 150 mmHg: ± 10%
Respiration rate	3-150 bpm
Respiration rate accuracy	10 ± 1bpm
Warm-up time	97% within 8s, full accuracy within 20s
BIS (Upgradable)	
Parameter Measurement	0-30 (Only limited to the combined use of an external sensor with a BIS module)
BC	30-100dB (bar chart) with intensity between 30dB and 80dB (tendency chart)
EMG	0-100
BIS	0%-100%
SQL	0%-100%
SR	0.5Hz-30Hz
SEF	40-100Db
TP	
Alarms	Audio & visual with low, medium and high level intensity adjustments
Mode	High & low level of all parameters with alarm deactivation, Low battery, Power failure, Probe disconnection, Cuff leakage/disconnection, latching of alarms, inflation / deflation alarm, suspension of all alarms, escalation of alarms
Type of Alarms	
Power Requirements	AC 100-240V, 50 Hz single phase fitted with Indian plug. Power Consumption: 70 Watt
Power Supply	Built-in rechargeable Lithium-ion battery with 2 hours backup
Battery	
Others	
Operating Temp.	0-50°C
Relative Humidity	15-90% (non-condensing)
Noise Level	40 dB
Size & Weight	349.1mm x 302.6mm x 108.5mm & <4.0 Kg.



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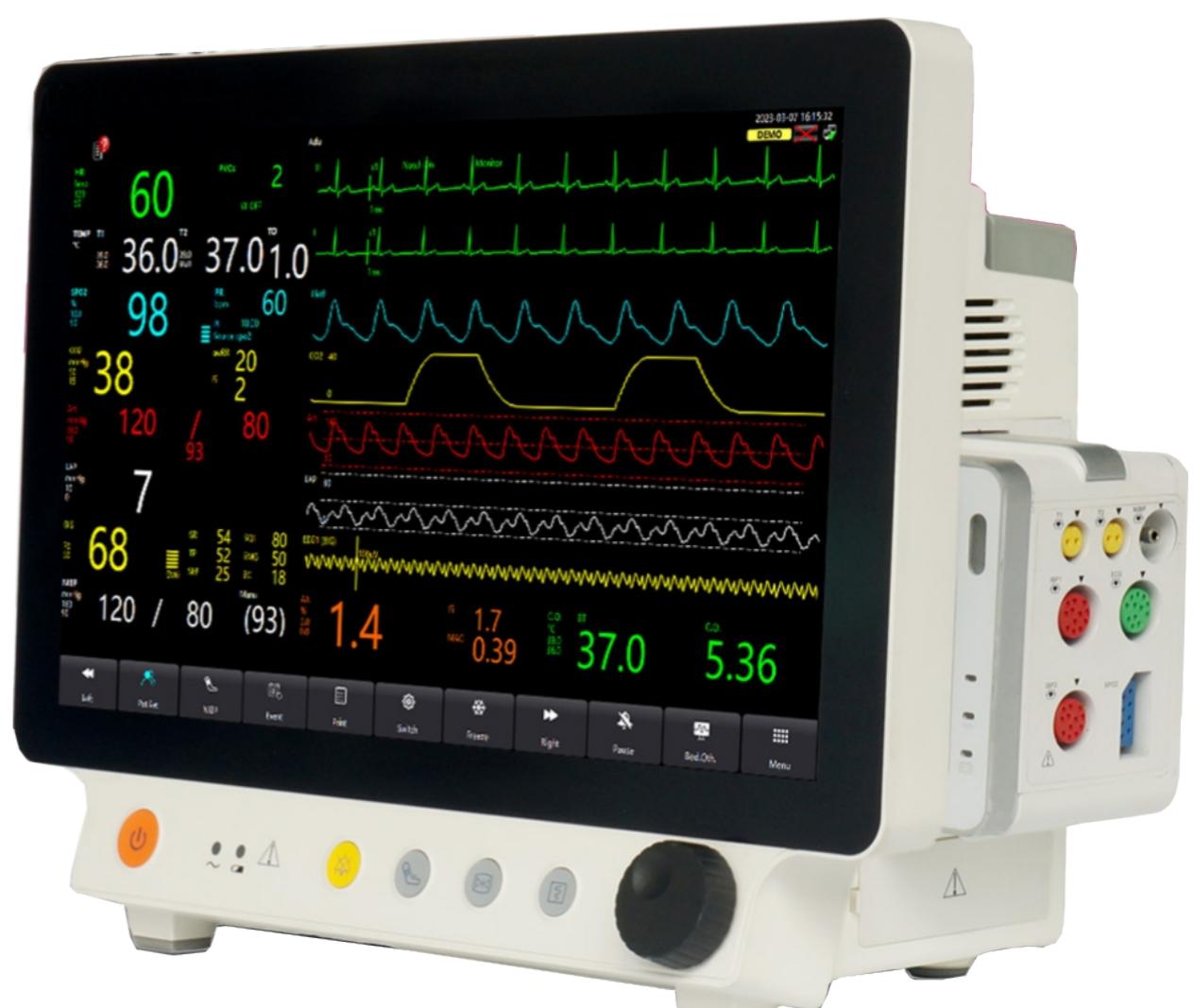
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High End Modular Multipara Patient Monitor



MAX-66

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This is our standard product catalogue, however, if required, the detailed technical data sheet can be submitted on demand.

MAX-66

High End Modular Multipara Patient Monitor



Features:

- Standard Configuration: 5-lead ECG, SpO₂, NIBP, RESP, 2xTEMP, 2xIBP, HR, PR
- Optional Configuration: EtCO₂, Cardiac Output, AGM, NMT, EEG, BIS, 4G module, Wireless CMS, Interfacing with Anesthesia, Ventilators etc
- 15.6"high resolution 1920 x 1080 medical grade color TFT LCD touchscreen with easy viewing of all parameters
- 12waveforms simultaneous display of selected parameters
- Pacemaker detection, PWTT function, Hemodynamic calculation, OxyCRG, Drug dose calculation, Ventilation
- Digital stable technology to monitor SpO₂ even in low perfusion and motion artifacts. MASIMO (optional)
- ST segment, ST recall, Full Arrhythmia analysis (26 kinds), QT analysis, HRV analysis, Plethysmographic display
- SpO₂ support PVI and PI, low perfusion 0.2%; Support HL7 protocol to HIS
- Pulse Pressure Variation (PPV) and Systolic Pressure Variation (SPV) monitoring
- SpO₂ pitch tone modulation with change in values. 12 lead ECG interpretation facility
- Integrated WIFI module; HDMI support external display; Both Touch screen and rotary knob operation
- 480 hours graphical & tabular trend review, 10,000 NIBP review, 200 alarm event review
- Dual air hose for NIBP measurement and able to measure NIBP rapidly within 30 seconds
- Facility to take NIBP measurement automatically in case of sudden blood pressure change in between periodic measurement
- Built-in storage, support 72 hours full disclosure wave review for all parameters
- Built in protection against defibrillator and electro-surgical unit; Time linked review function
- Suitable for adult, pediatric and neonatal monitoring
- Audio & visual alarms for high / low monitoring of all parameters with alarm deactivation
- Can be connected to Central Monitoring Station (CMS) via LAN / wireless
- Built-in rechargeable Li-ion battery with 2 hours back up facility
- Support USB port, Rj45 port, Keyboard, Mouse, LAN & Wireless connectivity
- Supplied with all essential & standard accessories as per demand
- On Demand: Built-in Thermal Recorder, Touchscreen, Trolley, Wall Mount, Basket, UPS, Paper Roll, CMS
- European CE certified



Central Monitoring Station (On Demand)

- Central Monitoring Station with 10 waveforms display facility.
- Up to 16/20/32 beds can be displayed on a 19/21/24/32 inch flat screen color display.
- Parameters: ECG, SpO₂, NIBP, Respiration & Temperature, 2IBP, ETCO₂.
- This enables efficient patient care and workflow for care givers in charge of many patients.
- All patients are safely monitored & review up to 168 hours data and 48 hours full disclosure.
- Alarm facility and customizable parameter settings.
- HL7 compliant & upgradable to LIS.
- CE certified

Standard Configuration (Can be customized as per customer's requirement)

Hardware (16 patients) :

Main unit* MUC-911R

LCD unit VLC-912R

Power cord, keyboard, mouse

Software:

QP-914P (16 patients software)

QP-915P (24 patients expansion program kit)

QP-916P (32 patients expansion program kit)

QP-917P (48 patients expansion program kit)

When you purchase hardware and install software locally,
please follow these hardware requirements as follows:

OS:

Windows® 7 Professional SP1 (32 bit)

Processor:

3.2 GHz or faster dual core processor

Memory:

2 GB or more

Hard Drive:

200 GB or more, minimum 200 GB disk space on drive C

Mouse/Keyboard:

Standard 101 USB keyboard and mouse compatibility

Monitors:

24-inch LCD, resolution 1920 x 1080

Speaker:

External or internal audio speaker