



**MAX**  
MEDITECH



## VIZYON M12

### OT / ICU / ICCU Patient Monitor

CE 0123

### Precise | Reliable

- 12.1" TFT Screen for better Visibility
- 10 real time configurable Waveform Display
- Single knob to browse Menu/Sub Menu
- Capable of monitoring during transit
- Suitable for Adult and Pediatric Patients
- Large font size for better Visibility
- Visual Alarms for Vital Signs
- Night mode for Patient Comfort
- Intelligent Audio and Visual Alarms
- Remote Monitoring through wifi-option

## SPECIFICATIONS

<b>Wave Forms</b>	Up to 10 waveforms can be displayed at any time. Numeric Display includes Pulse Rate/ PR, SpO <sub>2</sub> %, NiBP with MAP, Resp., Temperature, IBP/EtCO <sub>2</sub>
Trends	3500 readings of NiBP, 256 Hrs. for all other parameters.
Networking	2 way Central Nursing Station connectivity.
Alarms	Adjustable Alarm limits.
Applications	Adult, Pediatric, and Neonatal.
<b>ECG</b>	
Leads	I, II, III, aVR, aVL, aVF, V in 5 Lead/ I, II, III 3 Lead configuration at time 3 & 5 Lead
Heart Rate Range	20 to 250 bpm
Heart Rate Accuracy	± 3 bpm
Bandwidth Diagnostic	0.05 to 40 Hz
Bandwidth Monitoring	0.5 to 40 Hz
Display Sweep Speed	6.25, 12.5, 25, 50 mm/sec.
ECG Sensitivity	4, 2, 1, 0.5, 0.25 mV/cm.
Lead Open Detection	Yes
Pacemaker Detection	Yes
Arrhythmia	Selectable Arrhythmia Detection.
CMRR	> 110 dB
Input Dynamic Range	± 5 mV AC, ± 300 mV DC.
ST Range	-0.9 to 0.9 mV
Defib Protection	protected against 360 J discharge and electrostatic potentials.
<b>SpO<sub>2</sub></b>	
% Saturation	0% to 100%
Pulse Rate	20 to 250 per minute
<b>Accuracy</b>	
SpO <sub>2</sub>	70% to 100%: ± 2 digits 50% to 69%: ± 3 digits 0% to 49 %: Unspecified
Pulse Rate	± 3 bpm
PR Resolution	1
Cautery Protection	Protected against External Cautery interference.
<b>NIBP</b>	
Technique	Oscillometric
<b>BP Measurement Range</b>	
Adult	30 to 250 mmHg
Pediatric	30 to 200 mmHg
Neonatal	30 to 130 mmHg
<b>Measurement Modes</b>	
Auto	Automatic BP measurements at 2, 3, 5, 10, 15, 20, 30, 60, 120, 240, 480 & 720 minutes
Manual	Single measurement initiated by NiBP Start/ Stop switch.
STAT Mode	Average of all readings in 5 minutes
Pulse Rate Range	20 to 250
Over Pressure Monitor	270 mmHg (Adult) 220 mmHg (Pediatric) 130 mmHg (Neonatal)
<b>Respiration</b>	
Technique	Trans-thoracic Impedance.
Range	5 to 150 breaths/min.
Accuracy	± 2 or ± 3 % breaths/min.
Resolution	1 breath / min.
Bandwidth	0.1 to 3 Hz
Leads	RA to LA
Display Sweep Speed	6.25, 12.5, 25, 50 mm/sec.
Lead Open detection	Yes

<b>Temperature (Single/Dual)</b>	
Range	0°C to 50°C
Accuracy	± 0.1°C
<b>IBP Single/Dual/Triple Ch (Optional)</b>	
Measurement Range	-10 to 300 mmHg
<b>Pressure Transducer</b>	
Sensitivity	5 µV/ V/ mmHg
Impedance range	300 to 3000 (ohm) Ω
Resolution	1 mmHg
Accuracy	±1 mmHg or ± 2%, whichever is greater.
<b>EtCO<sub>2</sub> (Optional)</b>	
Method	Infrared Absorption.
Measurement mode	Main Stream
<b>Measurement Range</b>	
EtCO <sub>2</sub>	0 to 99 mmHg
ICO <sub>2</sub>	0 to 99 mmHg
RR	4 to 150 rpm
<b>Resolution</b>	
EtCO <sub>2</sub>	1 mmHg
ICO <sub>2</sub>	1 mmHg
RR	1 per minute
<b>Accuracy</b>	
Co2 concentration	± 2 mmHg @ ≤ 5% CO <sub>2</sub> <10% of reading @ > 5% CO <sub>2</sub>
RR	± 2 rpm
<b>Alarm</b>	Apnea Alarm Occlusion Error
<b>Display</b>	
Display Type	Color TFT
Display Size	12.1"
Resolution	800 x 600
<b>Electrical</b>	
Internal Battery	7.4V, 2200 mAh Li-ion, Rechargeable Battery.
Charge time	Maximum 6 hours to full capacity.
Power Source	AC/ DC Supply
AC Input	100-240 V AC, 50/60 Hz, 1.5A
Fuse	1.5A F 250V
DC Input	12V-15V
DC Fuse	5 A
Battery Backup	3 Hours Approx
<i>*Use either Mains or DC at a time</i>	
<b>General</b>	
Size	312 x 120 x 305mm (WxDxH)
Weight	<2.4 Kgs.
<b>Environmental</b>	
Operating Temperature	0°C to 45°C
Operating Humidity	5 to 95% RH, non-condensing.
Storage Temperature	-5°C to 70°C
<b>Printer (Optional)</b>	
Printer	Single / Dual channel printing.
<b>Compliance to Standards</b>	
	IEC 60601-1
	IEC 6060 1-2
	IEC 601-2-49

\* Specification are subject to change without prior notice

## OUR PRODUCT RANGE

### • Cardiology Products :

- Vizyon E100** - 3 Channel Output
- Vizyon E200** - 12 Channel Output
- Vizyon M10** - 10" Configurable Patient Monitor
- Vizyon M12** - 12" Configurable Patient Monitor
- Vizyon M15** - 15" Configurable Patient Monitor upto 7 Parameters [ECG, SPO<sub>2</sub>, Respiration, Temperature, NIBP, IBP (1,2,3 Ch) - Optional, EtCO<sub>2</sub> (Optional)]

### • Respiratory Care Products :

- **NEO** - Anesthesia Ventilator
- **Respimax Plus** - Multi utility Ventilator
- **Proton Plus** - Critical Care Ventilators
- **Proton Plus PRO** - Critical Care Ventilators with HFNC Functionality
- **Oxywean NIV** - Non Invasive Ventilator with HFNC & bubble - CPAP of Functionalities combined in one Device

### • Other ICU Products :

- **VIZYON P10** - Pulse Oxymeter
- **VIZYON SP500** - Syringe Pump
- **VIZYON SP900** - Syringe Pump

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**MEDITECH**

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