



MAX
MEDITECH



VIZYON M15

OT / ICU / ICCU Patient Monitor

CE 0123

Precise | Reliable

- 15" TFT Display
- Real time configurable waveforms
- Design facilitates monitoring during transit
- Suitable Adult and pediatric patients
- Audio and visual alarms for vital signs
- Night mode for patient comfort Intelligent Alarms
- Option for Wi-Fi Connectivity

SPECIFICATIONS

Wave Forms	Up to 10 waveforms can be displayed at any time. Numeric Display includes Pulse Rate/ PR, SpO ₂ %, NiBP with MAP, Resp., Temperature, IBP/EtCO ₂
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.
ECG	
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.
SpO₂	
% Saturation	0% to 100%
Pulse Rate	20 to 250 per minute
Accuracy	
SpO ₂	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.
NIBP	
Technique	Oscillometric
BP Measurement Range	
Adult	30 to 250 mmHg
Pediatric	30 to 200 mmHg
Neonatal	30 to 130 mmHg
Measurement Modes	
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)
Respiration	
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

Temperature (Single/Dual)	
Range	0°C to 50°C
Accuracy	± 0.1°C
Invasive Blood Pressure Monitoring	
IBP Single/Dual/Triple Ch (Optional)	
Measurement Range	-10 to 300 mmHg
Pressure Transducer	
Sensitivity	5 µV/ V/ mmHg
Impedance range	300 to 3000 (ohm) Ω
Resolution	1 mmHg
Accuracy	±1 mmHg or ± 2%, whichever is greater.
EtCO₂ (Optional)	
Method	Infrared Absorption.
Measurement mode	Main Stream
Measurement Range	
EtCO ₂	0 to 99 mmHg
ICO ₂	0 to 99 mmHg
RR	4 to 150 rpm
Resolution	
EtCO ₂	1 mmHg
ICO ₂	1 mmHg
RR	1 per minute
Accuracy	
Co2 concentration	± 2 mmHg @ ≤ 5% CO ₂ <10% of reading @ > 5% CO ₂
RR	± 2 rpm
Alarm	Apnea Alarm Occlusion Error
Display	
Display Type	Color TFT
Display Size	15"
Resolution	1024 x 768
Electrical	
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	4 Hours Approx
<i>*Use either Mains or DC at a time</i>	
General	
Size	385 x 125 x 360mm (WxDxH)
Weight	<3 Kgs.
Environmental	
Operating Temperature	0°C to 45°C
Operating Humidity	5 to 95% RH, non-condensing.
Storage Temperature	-5°C to 70°C
Printer (Optional)	
Printer	Single / Dual channel printing.
Compliance to Standards	
	IEC 60601-1
	IEC 60601-1-2
	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, SPO₂, Respiration, Temperature, NIBP, IBP (1,2,3 Ch) - Optional, EtCO₂ (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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