



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 60601-2 |
| | IEC 601-2-49 |

*Specification are subject to change without prior notice

OUR PRODUCT RANGE



• Cardiology Products :

- VIZYON E100 - 3 Channel ECG
- VIZYON E200- 12 Channel ECG
- VIZYON M10 - 10" Configurable Patient Monitor
- VIZYON M12 - 12" 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 Ventilator
- PROTON PLUS PRO - Critical Care Ventilator with HFNC Functionality
- OXYWEAN NIV - Non Invasive Ventilator with HFNC & Bubble - CPAP Functionalities combined in one Device

• Other ICU Products :

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



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