



AnyView A3

MONITOR MODULAR
DE PACIENTE

Aprobado Por

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FDA



 **ISTRICLINIC**
Asesoría, dotación y respaldo.

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Size and Weight

- Size : 278mmX250mmX192mm
- Weight : 5.42kg
- Standard module slot: 1
- Additional module rack Slot : 1

Power supply

- Power Voltage: AC 100-240V 50/60Hz
- Power Input: $\pm 150\text{VA}$
- Input Current: 1.0-0.5A
- Safety class: Category I

Display

- 8" Color Anti-glare TFT-LCD
- Resolution : 800X600 pixels

Battery

- Type: Rechargeable Lithium battery, 11.1V/4.0AH
- Operating time under the normal use and full charge : ≥ 200 minutes
- Charge time: 6 hour to 100% capacity (Standby)

Recorder (Option)

- Method : Thermal dot array
- Paper width : 50 mm (1.97 in)
- Paper length : 15m
- Paper Speed : 12.5 / 25 / 50 (mm/sec)
- Traces : Maximum 3 tracks
- Recording way : Real-time recording, Periodic recording, Alarm recording

Alarm

- Level : Low, medium and high
- Indication : Auditory and visual
- Patient Physiological Alarm Light color: Yellow & Red
- Equipment Technical Alarm Light color: Blue
- Supports Pitch Tone and multi-level volume;
- Supports custom arrhythmia tone

Input device

- Touch screen: option
- Knob: standard config
- Mouse input: Support
- Keyboard input: Support

System Output & Extensible Interfaces

- Ethernet Network : 1 Standard RJ45 socket
- Defibrillation Output : 1 RJ11 socket
- Nurse Call : 1 BNC socket
- Video Output : 1 VGA port
- USB1.1 port : 2
- 12V DC input : 1 socket
- SD memory card : 2G (Option)
- Analog Output (ECG or IBP) : Option

Trend & Reviewing :

- Trend : 168 hours
- NIBP measurement reviewing : 1000 groups
- ARR event: 128 groups of ARR event and the associated waveform.
- Alarm events: 128 groups of parameter alarm events and associated parameter waveform at the alarm moment
- Full Disclosure waveform : 24 hours for 3 waveforms

Environment

- Operating temperature : 0+40°C
- Storage temperature : -20°C ~ +50°C
- Operating humidity : 15% to 85% (non condensing)
- Storage humidity : 10% to 93% (non condensing)
- Operating atmospheric pressure : 860hPa to 1060hPa
- Storage atmospheric pressure : 500hPa to 1060hPa

Safety:

- IEC60601-1 Approved, CE marking according to MDD93/42/EEC

Performance:

ECG

- Lead Mode : 3-leads ECG input
5-leads ECG input
12-leads ECG input
- Lead selection : I, II, III
I, II, III, aVR, aVL, aVF, V1-6
I, II, III, aVR, aVL, aVF, V1-V6 (option)
- Gain : 2.5 mm/mV(x0.25), 5 mm/mV(x0.5), 10 mm/mV(x1), 20 mm/mV(x2), 40mm/mV(x4), Auto
- CMRR : Monitor mode $\geq 105\text{dB}$
Surgery mode $\geq 105\text{dB}$
Diagnostic mode $\geq 90\text{dB}$
- Frequency response (-3dB):
Monitor mode 0.5~40Hz
Surgery mode 1~25Hz
Diagnostic mode 0.05~150Hz
- Input Impedance : $\geq 5.0\text{ Mohm}$
- ECG signal range : $\pm 10.0\text{mV}$
- Electrode offset potential : $\pm 500\text{mV}$
- Patient Leakage Current : $< 10\text{ uA}$
- Standardizing signal : 1 mV $\pm 5\%$
- Baseline recovery : $< 5\text{s}$ after Defibrillation, (Mon or Surg mode)
- Indication of electrode separation : Every electrode (exclusive of RL)
- Protection: Breakdown Voltage 4000VAC 50/60Hz; defibrillator proof
- Sweep speed : 12.5mm/s, 25mm/s, 50mm/s

HR

- Range : Adult 10~300 bpm
Pediatric & Neonate: 10~350bpm

Refreshing time : $\leq 50\text{ bpm}$ Per 2 pulses
50~120bpm Per 4 pulses
 $\geq 120\text{bpm}$ Per 6 pulses

- Resolution : 1 bpm
- Accuracy : $\pm 1\%$ or $\pm 1\text{bpm}$, whichever is greater

ST segment

- Measurement range : -2.0mV~2.0mV
- Accuracy : $-0.8\text{mV} \sim 0.8\text{mV}$: $\pm 0.02\text{mV}$ or $\pm 10\%$, whichever is greater
Over $\pm 0.8\text{mV}$ unspecified
- Resolution : 0.01mV

RESP

- Method : Thoracic impedance
- Lead Selected from: I (RA-LA) or II (RA-LL); Default: I
- Gain : x0.25, x1, x2, x4
- Bandwidth : 0.25 Hz to 2.0Hz (-3dB)
- Sweep speed : 6.25mm/s, 12.5mm/s, 25mm/s
- Measurement Range : 0-150 rpm
- Resolution : 1 rpm
- Accuracy : $\pm 2\text{rpm}$ or $\pm 2\%$, whichever is greater
- Delay of Apnea Alarm : 10s,15s,25s,30s,35s,40s,45s,50s,55s, 60s

NIBP

- Way of measurement : Automatic oscillometry
- Range of measurement :
Adult : SYS 30~270 mmHg
DIA 10~230 mmHg
MAP 20~235 mmHg
Child: SYS 30~235 mmHg
DIA 10~220 mmHg
MAP 20~225 mmHg
Neonate: SYS 30~135 mmHg
DIA 10~100 mmHg
MAP 20~125 mmHg
- Cuff pressure range : 0~300 mmHg
- Resolution : 1 mmHg
- Pressure Accuracy : Static $\pm 2\%$ or $\pm 3\text{mmHg}$, whichever is greater
Clinical : $\pm 5\text{ mmHg}$ average error
standard deviation : $\leq 8\text{ mmHg}$
- Unit : mmHg, kPa
- Measurement mode: Manual, Auto, STAT
- Intervals for AUTO measurement time : 1,2,3,4,5,10,15,30,60,90 minutes;
2,4,8,12hours
- STAT mode cycle time : Keep 5 minutes, at 5 seconds interval.
- Overpressure Protection : Hardware and software double protections
- Pulse rate range : 40 ~ 240 bpm

BLT-SpO2 (Digital Technic)

- Measurement Range : 0-100%
- Resolution : 1%
- Accuracy : At 70~100%, $\pm 2\%$
At 0~69%, unspecified

PR

- Measurement Range : 25-255 bpm
- Resolution : 1 bpm
- Accuracy : $\pm 1\%$ or $\pm 1\text{bpm}$, whichever is greater

Neilcor-SpO2 (option)

- Measurement Range : 0-100%
- Resolution : 1%
- Accuracy : At 70~100%, $\pm 2\%$ (Adult)
At 70~100%, $\pm 3\%$ (Neonate)
At 70~100%, $\pm 2\%$ (Low Perfusion)
At 0~69%, unspecified

PR

- Measurement Range : 20-300 bpm
- Resolution : 1 bpm
- Accuracy : 20bpm to 250bpm : $\pm 3\text{bpm}$
251bpm to 300bpm, unspecified

Masimo SpO2 (option)

- Measurement range: 0% to 100%
- Resolution: 1%
- Accuracy: 70% to 100%: $\pm 2\%$ (adult/pediatric, non-motion conditions)
70% to 100%: $\pm 3\%$ (neonate, non-motion conditions)
70% to 100%: $\pm 3\%$ (motion conditions)
0% to 69%: unspecified
- Average time: 2-4s, 4-6s, 8s, 10s, 12s, 14s, 16s

PR

- Measurement range: 25 bpm to 240 bpm
- Accuracy: $\pm 3\text{bpm}$ (non-motion conditions)
 $\pm 5\text{bpm}$ (motion conditions)
- Resolution: 1 bpm

TEMP

- Max Channel : 4
- Measurement way : Thermal resistance way
- Measurement Range : 0.0°C ~ 50.0°C (32°F~122°F)
- Accuracy : 0.1°C or $\pm 1^\circ\text{F}$ (exclusive of probe)
- Resolution : 0.1°C or 1°F
- Unit : Celsius (°C), Fahrenheit (°F)
- Connecting cable : Compatible with YSI-400 serial

IBP

- Max Channel : 4
- Measurement way : Directly invasive pressure measurement
- Sensitivity of transducer : 5uV/V mmHg, $\pm 2\%$
- Impedance of transducer : 300 to 3000Ω

- Measurement Range : -50 ~ +350 mmHg
- Resolution : 1mmHg
- Unit : mmHg, kPa, cmH2O

- Accuracy :
Static : $\pm 1\text{mmHg}$ or 2%, whichever is greater (exclusive of transducer)
 $\pm 4\text{mmHg}$ or 4%, whichever is greater (inclusive of transducer)

- Dynamic : $\pm 4\text{mmHg}$ or 4%, whichever is greater
- Transducer sites : Arterial Pressure (ART)
Pulmonary Artery Pressure (PA)
Left Atrium Pressure (LAP)
Right Atrium Pressure (RAP)
Central Venous Pressure (CVP)
Intracranial Pressure (ICP)
P1/P2

- Selection of measurement range :
ART : 0 ~ +350mmHg
PA : -10 ~ +120 mmHg
CVP/RAP/LAP/ICP : -10 ~ +40 mmHg
P1/P2 : -50 ~ +350 mmHg

EtCO2 (Mainstream)

- Measure method : Infrared spectrum
- Warm up time : Capnogram displayed in less than 15 seconds, At an ambient temperature of 25 °C, full specifications within 2 minutes.
- Measurement Range : 0-19.7% (0-150 mmHg)
- Resolution : 1 mmHg
- Rise time (10 l/min) : $\leq 60\text{ ms}$
- Unit : % mmHg, kPa
- CO2 Accuracy : 0-40 mmHg, $\pm 2\text{mmHg}$
41-70 mmHg, $\pm 5\%$ or reading
71-100 mmHg, $\pm 8\%$ or reading
101-150 mmHg, $\pm 10\%$ of reading
(at 760 mmHg, ambient temperature of 35 °C)
-awRR measurement range: 0-150 rpm
-awRR measurement Accuracy: $\pm 1\text{rpm}$

EtCO2 (Microstream)

- Measure method : Infrared spectrum
- Warm up time : Capnogram displayed in less than 20 seconds, At an ambient temperature of 25 °C, full specifications within 2 minutes.
- Measurement Range : 0-19.7% (0-150mmHg)
- Resolution : 1mmHg
- Unit : % mmHg, kPa
- CO2 Accuracy : 0-40 mmHg, $\pm 2\text{mmHg}$
41-70 mmHg, $\pm 5\%$ of reading
71-100 mmHg, $\pm 8\%$ of reading
101-150 mmHg, $\pm 10\%$ of reading
(at 760 mmHg, ambient temperature of 25 °C)
(when RR > 80 rpm, all the range is $\pm 12\%$ or reading)
CO2 response time : $< 3\text{s}$
-awRR measurement range: 2-150 bpm
-awRR measurement Accuracy: $\pm 1\text{rpm}$
- Sample Flow Rate : 50 ml/min $\pm 10\text{ml/min}$

Anesthetic Gas

- Measure method : Infrared spectrum
- Measure mode : Mainstream
- Fi and Et values : CO2, N2O, O2, AG (HAL, ISO, ENF, SEV, DES)
- Resolution : 1%
- Unit : %
- Calibration : Room air calibration performed automatically when changing airway adapter ($< 5\text{ sec}$)
- Warm-up time : $< 10\text{ s}$, full accuracy within 1 min
- Measurement and alarm range of AG:

Gas	Range	Accuracy
CO2	0-10 %	$\pm (0.3\% \text{ ABS} + 4\% \text{ REL})$
N2O	0-100 %	$\pm (2\% \text{ ABS} + 8\% \text{ REL})$
O2	10-100 %	$\pm (2\% \text{ ABS} + 2\% \text{ REL})$
HAL, ISO, ENF	0-5%	$\pm (0.15\% \text{ ABS} + 10\% \text{ REL})$
SEV	0-8%	$\pm (0.15\% \text{ ABS} + 10\% \text{ REL})$
DES	0-18%	$\pm (0.15\% \text{ ABS} + 10\% \text{ REL})$

- awRR measurement range : 0-150 rpm
- awRR measurement Accuracy : $\pm 1\text{rpm}$
- Rise time (flowing speed 10 l/min) CO2 $\leq 90\text{ ms}$
O2 $\leq 300\text{ ms}$
N2O $\leq 300\text{ ms}$
Hal, Iso, Enf, Sev, Des $\leq 300\text{ ms}$
- Total system response time : $< 1\text{ seconds}$

Noninvasive Cardio Output (ICG)

- Method: Measurement of thoracic electrical bioimpedance
- Measurement Range: HR: 40-250 bpm
SV: 5-250ml
SI: 5-125ml/m2
CO: 1.4-15 L/min
TFC: 15-143 KΩ
- Accuracy : HR $\pm 2\text{bpm}$
SV: unspecified
CO unspecified
- Alarm range: CO: 0.0 L/min/m2 to 15.0 L/min/m2 continuously adjustable.
TFC: 10 kΩ to 150 kΩ continuously adjustable.

Standard configuration of Anyview A3

Mainunit: 8" anti-glare TFT-LCD display, 1 Standard module slot, 1 Additional module rack Slot (for MPS all-in-one module), 1 RJ45 ethernet socket, 1 Defibrillation Output, 1 Nurse Call socket, 1 VGA output port, 2 USB1.1 port, 1 12V DC input socket, 1 Rechargeable Lithium Battery.

Option of AnyView A3:

MPS module: 12 kinds of option
Option Module: Sidestream CO; module, Microstream CO; module, Mainstream CO; module, AG module, ICG module, IBP module, Temp module, SpO2 module
Navigating: USB compatible mouse and keyboard, Touch screen (option).
Printing: 3 channel thermal recorder
Mounting: Rolling stand, wall mount
Battery: 11.1V/4.0AH Rechargeable Lithium Battery(max 2 pcs).
Other options: External Display, Wireless Lan, Extensive Memory card, Analog Output (ECG or IBP), Touch Screen.



*Specifications subject to change without prior notice.