

AnyView G10/G12/G15

Semi-Modular Patient Monitor

Size and Weight

Size	G10: 180×270×240mm
	G12: 180×310×270mm
	G15: 220×400×295mm
Weight	G10: < 4.2kg
	G12: < 4.7kg
	G15: < 5.7kg
Modular slot	G10/G12: 2
	G15: 3

Power

According to IEC 60601-1 and IEC 60601-1-2	
Input voltage	AC (100-240) V (±10%)
Frequency	50Hz/60Hz
Input power	G10: 0.8A-0.5A/80VA
	G12: 1.5A-0.7A/140VA
	G15: 1.5A-0.7A/140VA

Display

Type	Color TFT LCD
Size(diagonal)	G10: 10.1 inch
	G12: 12.1 inch
	G15: 15.6 inch
Resolution	G10: 1280×800 pixels
	G12: 1280×800 pixels
	G15: 1366×768 pixels

External display

Type	HDMI
Resolution	Above 1280×800 pixels

Recorder

Type	BTR50S thermal dot array
Paper width	50 mm±1mm
Recording speed	12.5 mm/s, 25 mm/s, 50 mm/s
Recording waveform	Maximum 3 tracks

Battery

Type	G10:
	Rechargeable Li-ion battery, 7.4 VDC, 2500mAh
	G12/G15:
Operating time	Rechargeable Li-ion battery, 11.1 VDC, 5000mAh
	G10: ≥10h
	G12: ≥10h
Charge time	G15: ≥10h
	less than 6 hours to 100%

Connectors

Power	1 AC power inlet with cable retainer
Wired network	G10/G12/G15: 1 (standard RJ45)
USB (standard USB 2.0 sockets)	G12/G15: 2
HDMI connector	G10/G12/G15: 1
Nurse call interface	1

Equipotential grounding point	1
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Environmental requirements

Operating temperature	0°C to +40°C
Operating humidity	15% to 95%(non condensing)
Operating air pressure	54.0kPa to 107.4kPa
Storage temperature	-20°C to +60°C
Storage humidity	10% to 95%(non condensing)
Storage air pressure	16.0kPa to 107.4kPa

ECG

Lead	3 lead: I, II, III
	5 lead: I, II, III, aVR, aVL, aVF, Vx
	6 lead: I, II, III, aVR, aVL, aVF, Va, Vb
	12 lead: I, II, III, aVR, aVL, aVF, V1-V6
	Auto: identify leads automatically
Indication of lead-off shall be provided	Every electrode
ECG abnormal work indications	Each amplification channel shall indicate abnormal ECG operation (polarization).
Bandwidth (-3dB)	Diagnostic mode: 0.05 Hz to 150 Hz
	Monitor mode: 0.5 Hz to 40 Hz
	Operation mode: 1 Hz to 25Hz
	ST mode: 0.05 Hz to 40Hz
Input impedance	≥5.0 MΩ
ECG signal range	± 10.0 mV
Electrode offset potential	± 500 Mv
System noise	≤ 30 μVpp (RTI)
Breakdown Voltage	4000V 50Hz/60Hz
Baseline recovery	Baseline recovery time: 5s (after defibrillation).
Sweep speed	6.25 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s
ST segment	
ST Display	12-lead ST segment values at the same time and support ST graphic display
Measurement range	-2.0 mV to +2.0 mV
Accuracy	-0.8 mV to +0.8 mV: ±0.02 mV or ±10%, (whichever is greater)
	Over ±0.8mV: unspecified
Resolution	0.01mV
ST update period	10s

Arrhythmia analysis

Kinds	27 Types (ASYSTOLE, BRADYCARDIA, TACHYCARDIA, EXTREME BRADYCARDIA, EXTREME TACHYCARDIA, VENTRICULAR BRADYCARDIA, VENTRICULAR TACHYCARDIA, NONSUSTAINED VENTRICULAR TACHYCARDIA, VENTRICULAR FIBRILLATION, ATRIAL FIBRILLATION, ATRIAL FIBRILLATION END, R ON T, VENTRICULAR RHYTHM, PNC, PNP, PAUSE, PVC, PAUSES/MIN HIGH, RUNNING PVCs, COUPLET, BIGEMINY, TRIGEMINY, FREQUENT PVCs, MISSED BEAT, ECG NOISE, IRREGULAR RHYTHM, IRREGULAR RHYTHM END)
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Respiration

Source	RA-LA, RA-LL (default)
Measurement range	0 rpm to 150 rpm
Accuracy	±2 rpm or ±2% , whichever is the greater
Sweep speed	6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
Delay of apnea alarm	10~60s, error ±3s or ±10%,
Bandwith	0.2Hz ~ 2.5Hz (-3db ~ +0.4dB)
Baseline impedance	200 ~ 2500Ω
Measuring impedance	0.3Ω ~ 3Ω

HR

Measurement range	Adult: 10~300bpm Pediatric/Neonatal: 10~350bpm
Resolution	1 bpm
Accuracy	±1% or ±1 bpm, whichever is greater
Detection sensitivity	0.20mVp-p

QT analysis

Measurement range	QT: 200ms~700ms QTc: 200ms~700ms ΔQTc: -500ms~500ms QT-HR: Adult: 15bpm~150bpm Pediatric/neonatal: 15bpm~180bpm QT, QTc, ΔQTc: 1ms
Resolution	Pediatric/neonatal: 15bpm~180bpm QT, QTc, ΔQTc: 1ms
Accuracy	QT-HR: 1bpm QT: ±30ms

NIBP

Standard	IEC80601-2-30, ISO 81060-2	
Measurement parameters	SYS, DIA, MAP, PR	
Measurement mode	Manual , Auto, STAT, Sequence	
STAT mode cycle time	5 min	
Systolic range	Adult	30 to 270 mmHg
	Pediatric	30 to 235 mmHg
	Neonatal	30 to 135 mmHg
Diastolic range	Adult	10 to 220 mmHg
	Pediatric	10 to 220 mmHg
	Neonatal	10 to 100 mmHg
Mean range	Adult	20 to 235 mmHg
	Pediatric	20 to 235 mmHg
	Neonatal	20 to 125 mmHg
Cuff pressure range	0 to 300 mmHg	
Resolution	1 mmHg	
Pressure accuracy	±3 mmHg	
PR range	40 bpm to 240 bpm	
	Static	
Accuracy	±3bpm or ±3%	
Measurement time	Adult, Pediatric: < 120s (MAX) Neonatal: < 90s (MAX)	
First overpressure protection	Adult	(297±3) mmHg
	Pediatric	(252±3) mmHg
	Neonatal	(147±3) mmHg

SunTech NIBP (option)

Way of measurement	Oscillometric.	
Measurement range	Adult	
	SYS	40~260 mmHg
	DIA	20~200 mmHg
	MAP	26~220 mmHg
	Pediatric	
	SYS	40~160 mmHg

DIA	20~120 mmHg
MAP	26~133 mmHg
Neonatal	
SYS	40~130 mmHg
DIA	20~100 mmHg
MAP	26~110mmHg

Pressure Accuracy	± 3 mmHg (± 0.4 kPa) or 2 % of the reading
Pulse rate range	30 ~ 220 bpm
Pulse Rate Accuracy	2% or 3 bpm, whichever is greater
Overpressure Protect (Hardware & software)	Adult <300 mmHg Child <300 mmHg Neonatal <150 mmHg

BLT SpO2

Measurement range	0% ~ 100%
Resolution	1%
Accuracy	70% ~ 100% ≤3% 0% ~ 69% unspecified

PR

Measurement range	25 bpm to 254 bpm
Resolution	1 bpm
Accuracy	±1% or ±1 bpm, whichever is the greater

PI

Measurement range	At least 0.05 ~ 20.00%
Resolution	0.01%
Accuracy	±0.1% or ±10% of reading, whichever is the greater

RESP (from pleth)

Measurement range	0 rpm ~ 90rpm
Resolution	1 rpm
Accuracy	±2 rpm

Nellcor SpO2 (option)

Measurement range	0% to 100%
Resolution	1%
Accuracy	70% to 100%: ±2%(adult/pediatric) 70% to 100%: ±3%(neonate) 0% to 69%, unspecified

PR

Measurement range	20 bpm to 300 bpm
Accuracy	20 bpm to 250 bpm: ±3 bpm 251 bpm to 300 bpm: unspecified
Resolution	1 bpm

PI

Measurement range	At least 0.05 ~ 20.00%
Resolution	0.01%
Accuracy	±0.1% or ±10% of reading, whichever is the greater

Masimo SpO2 (option)

Measurement range	0% to 100%
Resolution	1%
Accuracy	70% to 100% ±2% (adult/pediatric, non-motion) 70% to 100% ±3% (neonate, non-motion) 70% to 100% ±3%(motion conditions) 0% to 69% unspecified

PR

Measurement range	25 bpm to 240 bpm
Accuracy	±3 bpm(non-motion conditions) ±5 bpm(motion conditions)
Resolution	1 bpm

SpCO		Parameters	Fraction of End-tidal Gas (Et), Fraction of Inspiration Gas (Fi), airway respiration rate (awRR) of Halothane (Hal), Enflurane (Enf), Isoflurane (Iso), Sevoflurane (Sev), Desflurane (Des), CO ₂ , N ₂ O, O ₂ (only applicable for ISA OR+ module)
Measurement range	0% to 100%		
Accuracy	0% to 40%: ±3%(non-motion conditions) > 40%,unspecified		
SpMet		Resolution	Hal, Enf, Iso, Sev, Des, CO ₂ : 0.1% N ₂ O, O ₂ : 1%
Measurement range	0% to 100%	Warm up time	< 20s
Accuracy	0% to 15%:±1%(non-motion conditions) > 15%,unspecified	Total system response Time: Mainstream: < 1s, Sidestream: < 4s	
PI		Sampling rate of sidestream	50mL/min±10mL/min
Measurement range	0.05% to 20%	anesthesia gas	
SpHb		Measurement range and accuracy of gas	
Measurement range	0 g/dl to 25 g/dl		
Accuracy	8g/dl to 17g/dl: ±1g/dl (non-motion conditions) < 8 g/dl or > 17 g/dl, unspecified		
IBP (option)		Gas	Range (%) Accuracy
Standard	EN 60601-2-34 / IEC 60601-2-34	CO ₂	0 to 15% ± (0.2% + 2% of reading)
Nominal sensitivity	5uV/V/ mmHg	N ₂ O	0 to 100% ± (2% + 2% of reading)
Output impedance	300Ω to 3000Ω	ISO, ENF, HAL	0 to 8% ± (0.15% + 5% of reading)
Static measurement range	-50 mmHg to +360 mmHg	SEV	0 to 10% ± (0.15% + 5% of reading)
Static measurement accuracy	±0.3kPa (±2mmHg) or ±2% whichever is the greater (without sensor)	DES	0 to 22% ± (0.15% + 5% of reading)
Dynamic measurement range	-50 mmHg to +360mmHg	awRR range	0 rpm to 150 rpm
Dynamic measurement accuracy	±0.3kPa (±2mmHg) or ±2% whichever is the greater (without sensor)	awRR accuracy	±1 rpm
Resolution	1 mmHg	ICG (option)	
Unit	mmHg, kPa, cmH ₂ O	Measurement way	Thoracic electrical bioimpedance
Frequency Response	0 Hz to 10 Hz	Parameters	C.O., C.I., SV, SI, SVR, SVRI, TFI, TFC, HR
PPV		Measurement range	HR: 44 bpm to 185 bpm SV: 5.0 mL to 250.0 mL C.O. : 1.4 L/min to 15.0 L/min
Measurement range	0% ~ 50%	Resolution	HR: ±10% SV: ±15% C.O. : ±15%
Resolution	1%	Alarm range	C.I.:1.4 L/min/m ² to 15.0 L/min/m ² , alarm error is±0.1L/min/m ² TFC: 19 /kΩ to 125 /kΩ, alarm error is ±1/kΩ.
PR		EEG (Option)	
Measurement range	30bpm ~ 300bpm	Standard	IEC 60601-2-26
Resolution	1bpm	Sampling frequency	250 dots/s/ channel
Resolution	±1% or ±1bpm, whichever is greater	Signal input Range	≥-2mV ~ +2mV
CO₂ (Option)		Polarization resistance voltage	±320mV
Standard	ISO 80601-2-55	Input impedance	≥15MΩ@10Hz, can expand to0.25~110Hz
Measurement parameter	EtCO ₂ , FiCO ₂ , CO ₂ waveform and awRR	Frequency range	0.5~30Hz(default)
Measurement method	Mainstream, Sidestream/Microflow	Noise level	≤3.0uVp-p(0.5~30Hz)
Unit	mmHg, Kpa and %	CMRR	>89dB (turn off the power frequency filter) >100dB (turn off the power frequency filter)
EtCO ₂ /FiCO ₂ range	0% ~ 19.7% (0mmHg ~ 150mmHg)	Measurement range	SEF: 0.5 Hz -30.0 Hz, MDF: 0.5 Hz -30.0 Hz PPF: 0.5 Hz -30.0 Hz, TP: 0.0 Hz -100.0 dB Delta: 0.0%-100.0%, Theta: 0.0%-100.0% Alpha: 0.0%-100.0%, Beta: 0.0%-100.0%
Accuracy	±(0.43% + 8% of reading)	BIS (option)	
Resolution	0.1% or 1mmHg	Measurement Index	Bispectral index (BIS), myoelectric activity (EMG), signal quality index (SQI), suppression ratio (SR), break count (BC), total power (TP), spectral edge frequency (SEF)
awRR range	0 ~ 150 bpm	Wave shape	Electroencephalo-graph waveform (EEG)
Accuracy	±1 bpm	Parameter measurement range	
Resolution	1 bpm	BIS range	0~100
awRR alarm range	0 ~ 150 bpm, high/low limit can be adjusted continuously	SQI / SR range	0%~100%
Sampling frequency and accuracy of gas (only sidestream):			
C1	50 ml/min ~ 200ml/min, ±10%, can be adjusted.		
Other sidestream CO ₂	50 mL/min±10mL/min		
Response time	Sidestream CO ₂ : < 3s Mainstream CO ₂ : < 1s		
AG (option)			
Standard	ISO 80601-2-55		
Measurement mode	Mainstream, Sidestream		

SEF range	0.5~30Hz
TP range	40~100dB
EEG measurement specifications	
Duration	error $\leq \pm 5\%$
CMRR	> 100dB
Noise(RTI)	< 2uv (0.25~50Hz)
Amplitude frequency characteristics:	6Hz~30Hz (-3dB ~ +0.4dB)
when turn on the filter; at least 0.5Hz~70Hz (-3dB ~ +0.4dB)	
when turn off the filter	
Polarization resistance voltage:	plus $\pm 300\text{mV}$ d.c. bias voltage,
EEG waveform amplitude deviation is within	$\pm 5\%$.

C.O. (option)

Measurement range	C.O.	0.1 L/min to 20 L/min
	TB	23.00°C ~ 43.00°C
	TI	-1.0°C ~ 27.0°C
Resolution	C.O.	0.1 L/min
	TB	0.01°C
	TI	0.1°C
Accuracy	C.O.	$\pm 5\%$ or $\pm 0.1\text{L/min}$, whichever is greater
	TB	$\pm 0.1^\circ\text{C}$
	TI	$\pm 0.1^\circ\text{C}$

Temperature

Standard	ISO 80601-2-56
Parameter	T1, T2, Td
Probe	YSI400 series probe
Measurement site	Surface and coelom
Measurement range	0.0°C to 50.0°C (32°F to 122°F)
Accuracy	$\pm 0.1^\circ\text{C}$ or $\pm 1^\circ\text{F}$ (exclusive of probe)
Resolution	0.1°C or 1°F
Unit	°C or °F
Minimum accurate measuring time	Surface <100s; Coelom <80s.

DM (option)

Liquid stop function:	Alarm and stop liquid when drip rate is abnormal Alarm and stop liquid when infusion is completed When the module is powered off, the liquid stop clip is opened without affecting the infusion.
Unit	Drops/min, mL/h
Measurement range	5 Drops/min ~ 200 Drops/min (1mL of conventional tube = 20 drops)
Drip accuracy	± 2 Drops/min and $\pm 2\%$, whichever is greater
Resolution	1 Drops/min
Data storage	
Trend data	Long trend: 1800h, minimum resolution is 10 min Medium trend: 180h, minimum resolution is 1 min Short trend: 6h, minimum resolution is 5 second
Parameter alarm event	At least 3000 parameter alarm events and associated parameter waveform at the moment
ARR events	3000 ARR events
NIBP result	At least 2400 groups.
Holographic waveform	At least 72 hours

Option Module:

2-IBP module, 2-Temp module, Nellcor SpO2 module, Masimo Rainbow Module, Masimo SpO2 Module, Sidestream CO2 module, MicroFlow CO2 module, Mainstream CO2 module, Mainstream / Sidestream AG module, Suntech NIBP module, ICG module, EEG module, BIS module, C.O. module, DM module, Voice assistant module, BIOLINK module

Other option:

Thermal Printer, Bluetooth BLE 5.1, Rolling stand, Wall mount, External Display, Wireless Lan (Wifi), Analog Output (ECG or IBP)

*Specifications subject to change without prior notice.

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