



PATIENT MONITORS

Patient Monitor | PM-MAX SERIES

Experience the future of patient monitoring

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Experience the future of patient monitoring a reliable, intuitive, and indispensable tool for modern healthcare

The **PM MAX Series** represents the pinnacle of innovation in patient monitoring, combining cutting-edge design, advanced clinical tools, and exceptional usability. Built to enhance efficiency, improve patient outcomes, and adapt to tomorrow's needs, it's more than a device—it's a partner in delivering outstanding care.



Key Features

1080P HD Display

High Brightness, multi-color, wide-format capacitive screen brings excellent operational experience to help medical staff improve clinical safety and efficiency.



Wide Viewing Angle

The monitor can be viewed from virtually any angle and clinical information is much easy to capture. HD display with wide angle view $\geq 170^\circ$



Flat user interface design, common across platform

Reach 90% of common monitor functions in 2 steps.
Unmatched Visual and Operational Experience.



Auto Brightness

Ambient light adjustment is just part of why the PM MAX family is an excellent solution for critical care settings and the OR. In the OR, for example, the display automatically adapts to lights being dimmed or brightened during different stages of surgery, reducing overall light pollution.



Compact + Modular = Minimalist + Expansibility

The free conversion design of compact and modular allows you to convert freely according to the actual situation, creating a variety of medical combinations to provide the best medical services.



Technical Specifications

ECG	Safety Standards	Meet standards of IEC 60601-2-27 and EN 60601-2-27.
	Lead Sets	3-lead: I, II, III 5-lead: I, II, III, aVR, aVL, aVF, V
	Sweep Speed	12.5 mm/s, 25 mm/s, 50 mm/s
	Gain Selection	x 0.25, x 0.5, x 1, x 2, x 4, auto
	Waveform format	
	Standard, Cabrera	Diagnostic Mode: 0.05 to 100 Hz
	Bandwidth	Monitor Mode: 0.5 to 40 Hz Surgical Mode: 1 to 25 Hz
	CMRR	≥100dB
Heart Rate	Measurement Range	Adult: 15 to 300 bpm Pediatric/Neonate: 15 to 350 bpm
	Accuracy	± 1 bpm or ± 1%, whichever is greater
	Resolution	1 bpm
Arrhythmia Analysis		Patient Adult/Pediatric Monitored Arrhythmias Bigeminy/Trigeminy/V.T/Arrhythmia/Bradycardia/Tachycardia/V.E.B/ V.E.B.Pair/Missed Beats/R on T/VT > 2/ Asystole/ Supraventricular Tachycardia/ Supraventricular Bradycardia
Respiration	Range	0 to 120 rpm
	Resolution	1 rpm
	Apnea Alarm Time	20,25,30,35,40,45,50,55,60sec
	Accuracy	0 - 120 rpm: ± 2rpm
	Lead	RA-LA (I) or RA-LL (II)
Pulse Oximetry	Safety Standards	Meet standards of ISO 80601-2-61 and EN ISO 80601-2-61
	Range	0 to 100 %
	Resolution	1%
	Accuracy	± 2 % (70 to 100%, Adult/Pediatric:) ± 3 % (70 to 100%, Neonate) Unspecified (0 to 69%)
	Perfusion indicator (PI)	Yes
	Pitch Tone	Yes
	Pulse Rate Range	25 to 250 bpm
	Pulse Rate Accuracy	± 2% or ± 2 bpm, whichever is greater
Non-Invasive Blood Pressure	Safety Standards	Meet standards of ISO 80601-2-30, EN IEC 80601-2-30 and ANSI/AAMI/IEC 80601-2-30.
	Method	Oscillometry
	Modes	Manual, Auto, STAT
	Units of Measure	mmHg, kPa (user-selectable)
	Resolution	1 mmHg
	Systolic range	Adult: 30 to 270 mmHg Pediatric: 40 to 230 mmHg
	Diastolic range	Adult: 10 to 210 mmHg Pediatric: 10 to 162 mmHg
	Mean range	Adult: 20 to 230 mmHg Pediatric: 20 to 175 mmHg
	Accuracy	Max Mean Error: ± 5 mmHg Max Standard Deviation: ± 8 mmHg
	Cuff Deflation Technique	Step bleedv

PR

PR range	25 to 250 bpm (from SpO2) 30 to 250 bpm (from IBP) 30 to 250 bpm (from NIBP)
PR accuracy	± 2 bpm (from SpO2) ± 2 bpm or ± 2 %, whichever is greater (from IBP) ± 2 bpm or ± 2 %, whichever is greater (from NIBP)
Refreshing rate	≤1s

Temperature

Safety Standards	Meet standard of ISO 80601-2-56 and EN ISO 80601-2-56
Method	Thermal resistance
Channels	Up to 2 channels
Units of Measure Selectable	°C or °F
Range	0 to 50 °C / 32 to 122 °F
Resolution	0.1 °C, 0.1 °F
Accuracy	± 0.1 °C or ± 0.2 °F (without probe)

Sidestream CO2

Safety Standards	Meet standard of ISO 80601-2-55.
Measurement Range	0 to 150 mmHg
Accuracy	0 to 40 mmHg: ± 2mmHg 41 to 100 mmHg: ± 5% of reading 101 to 150 mmHg: ± 8% of reading
Rise time	< 60 msec
awRR Range	2 to 150 rpm
awRR Accuracy	2 to 70rpm: ± 1rpm 70 to 150rpm: ± 2rpm

Anesthesia Gases

Safety Standards	Meet standard of ISO 80601-2-55.
Warm-up Time	10 sec to warm-up status 5 min to ready-to-measure status
Measurement Range	CO2: 0 to 20 % ISO: 0 to 5 % SEV: 0 to 8 % awRR: 2 to 150 rpm
Full Accuracy	CO2: ±0.20Vol%+5% of reading SEV: ±0.15Vol%+5% of reading ISO: ±0.15Vol%+5% of reading awRR: 2 to 70 rpm ± 1 rpm 70 to 150rpm: ± 2rpm
Apnea time	20,25,30,35,40,45,50,55,60 sec

IBP

Safety Standards	Meet standard of IEC 60601-2-34
Channel	up to 2 channels
Measurement Range	-50 to 400mmHg
Accuracy	± 1 mmHg or ± 2 %, whichever is greater
Resolution	1 mmHg

C.O.

Method	Thermodilution
Measurement Range	C.O.: 0.1 to 20L/min TB: 23 to 43°C TI: 0 to 30°C
Resolution	C.O.: 0.1L/min TB, TI: 0.1°C
Accuracy	C.O.: ±10% TB, TI: ±0.1°C (without sensor)

DOA (Depth of Anesthesia)

Method	EEG spectral, burst suppression
qCON range	0 to 99
qNOX range	0 to 99
DSA Trend	Yes

TOF

Safety Standards	Meet the standard of IEC 60601-2-10
Sensor Type	Acceleromyography sensor
Stimulation Modes	TOF
Stimulation Current	26.5mA ±5%
Stimulus Pulse Width	200µs ± 2%
TOF range	0 % to 100 %
TOF Count range	0 to 4

CCO	Method	Thoracic electrical bioimpedance (TEB)
	HR Range	0 to 160 bpm (CCO)
	C.O. Range	0 to 20 L/min
	SV Range	0 to 200 ml
		Provides Monitoring Parameters EHF abs, EHF Norm, RMSSD, SDSD, SQI
Recorder	Type	Thermal array
	Speed	25 mm/sec, 50 mm/sec
	Trace	Up to 3 (paper 50 mm width, 20 m length)
Data Review	Trends data	Up to 120 hours @ 1min, 1200 hours @ 10 min
	Events	Up to 1000 events, including parameter alarms, arrhythmia events technical alarms, and so on.
	NIBP	Up to 1000 sets
	Full disclosure	48 hours for all parameter waveforms.
Alarm	Audible indicator	Yes, 3 different alarm tones, and prompt tone
	Visible indicator	Red/yellow/cyan LED, and alarm message display
Special Functions	Clinical decision support tool (CDS)	NEWS, GCS.
		Calculations (drug, hemodynamic, oxygenation, ventilation, renal), and titration table.
Interfacing		Main unit, AC power connector (1), HDMI port (1), Network connector (1), RJ45, USB 2.0 connector (4), BNC Port (1), Bluetooth Support, WiFi Support.
Power	Line voltage	100 to 240 VAC (±10 %)
	Maximum current	1.4A
	Frequency	50/60 Hz (±3 Hz)
	Battery	Rechargeable lithium-ion battery, 4400mAh
	Recharge time (power off)	<5 hours to 90% (4400mAh)
Environmental requirements	Temperature Operating	5 to 40 °C
	Storage	-20 to 60 °C
	Humidity Operating	15 to 85 % (non condensing)
	Storage	30 to 90 % (non condensing)
	Barometric Operating	70 to 106 kPa
	Storage	70 to 106 kPa



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