

UM2012

Patient Monitor



The UM2012 Patient Monitor is a monitor that breaks the shape of the traditional monitor. The unique inclined panel design makes the angle of the buttons and the screen more in line with the angle of human observation, which is a kind of humanized design. It may be used in the hospital, clinical environment, homecare. The rounded chamfer design makes it full of sense of science and technology.

- Tilted 12.1 inch LCD high definition display.
- Equipped with accessory box, save more space.
- The rounded chamfer design with a sense of technology.
- Connect with the central monitoring system for remote and wireless monitoring.
- Large capacity storage, with power failure protection.
- The integrated module design ensures the safety, reliability and stability of monitor.
- 5 display modes: large character, OxyCRG Display Mode, trend table data and other multiple interfaces.
- The dexterous handle makes it convenient for medical staff to carry.



Optional touchscreen makes it easier to operate.



Supports the print of 3-channel waveform at the same time.



Data and trend review, accurate point data.



Tilted display panel.

SPECIFICATIONS

Enclosure

Weight	4.6kg(10.69lb)
Dimensions	178mmWx285mmHx310mmD (12.76in.Wx11.2in.Hx12.2in.D)
Display	
Screen size	12.1 inch diagonal high-resolution
Screen type	TFT (Thin Film Transistor) Active Matrix LCD
Resolution	1024 X 768 pixels.
Alarms	
Categories	Patient status and system status
Priorities	Low,medium,and high
Notification	Audible and visual
Setting	Fullstorage,low battery and sensor off
Alarm volume level	45 to 85 decibels
Alarm system delay	<10 seconds

SpO2

Measurement range	0 to 100% Functional Saturation
Accuracy	70-100% , $\pm 2\%$; <70% unspecified
Resolution	1%
Display wave speed	10.00 mm/sec

Pulse Rate

PR range	20 to 350 bpm
Accuracy	± 2 bpm or $\pm 2\%$ (whichever is greater)
Resolution	1bpm

ECG

HR range	20 to 350 bpm
Accuracy	± 2 bpm or $\pm 2\%$ (whichever is greater)
Resolution	1bpm
Leads	I, II, III, V, aVR, aVL, or aVF (5-lead)
Display gain	X 1/4, X1/2, X1, X2, X4
Display sweep speed	6.25, 12.5, 25, 50mm/sec

NIBP

Method	Oscillometric with step-down deflation
Measurement Range	0-300mmHg
Accuracy	Algorithm based on human algorithm that meets or exceeds accuracy requirements of ANSI / AAMI SP10:1992 and 2002 standards for non-invasive blood pressure using the oscillometric method.
Measurement Time	30 to 50 seconds typical, 120 seconds maximum
AUTO Interval Times	2, 3, 5, 10, or 30 minutes, or 1, 2 hours 20-260 (in 1 mmHg steps), and OFF

ACCESSORIES



Standard Accessories



Disposable sensors



IPMS8600



Trolley



Sidestream/Mainstream ETCO2 Module

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RESP

Measurement range	0 to 120 breaths per minute (rpm)
Accuracy	± 1 rpm
Resolution	1rpm

TEMP

Measurement range	0 to 50°C / 32 to 122 °F
Accuracy	$\pm 0.2^\circ\text{C}$ plus the temperature sensor tolerance
Resolution	0.1°C

ETCO2 (Optional)

Mode	Sidestream or Mainstream
Measurement Range	0-150mmHg
Accuracy	0-40mmHg: ± 2 mmHg 41-150mmHg: $\pm 10\%$ of reading
Resolution	0.1mmHg
Flow rate	50ml/min ± 10 ml/min

Electrical

Battery	Lithium battery with 4,400mAh will typically provide 8 hours of monitoring with no external communication, no audible alarm sound, and at an ambient temperature of 25°C
Type	Lithium Battery, 4,400mAh, DC 11.1V
Voltage	AC 100-240V, 50-60Hz, SOVA

Environmental

Transport and Storage		Operating Conditions
Temperature	(- 40 ~ + 75) °C (- 40 ~ + 167) °F	(0 ~ + 50) °C (+ 32 ~ + 122) °F
Altitude	-500 to 5 , 000m (1640 to 16404 ft.)	
Relative humidity	15% to 95%x non condensing	

Configuration

Standard	SpO2+ECG+NIBP+RESP+TEMP
Optional	Sidestream / Mainstream ETCO2 Module, Trolley, Brace, IPMS8600 Central monitoring system, Recorder, Touch screen.

Trend

Tabular	
Memory	Saves a total of 120 hours of data events; saves date and time, alarm conditions, measurements
Tabular format	One table for all parameters

