

PATIENT MONITOR SUITABLE FOR ICU Taurus

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NORTHERN
MEDITEC



PATIENT MONITOR SUITABLE FOR ICU-Taurus

Multi Parameter Patient Monitor has been designed with Intensive, Coronary and Neonatal care in mind. It has flexible parameter configurations for different clinical environments including 3 level alarm system, OxyCRG, and selectable cuff pressure along with standard parameters of ECG, HR, RESP, NIBP, Spo2, 2 Temp, PR. Suitable for any patient type including, Adult, pediatric and neonate.



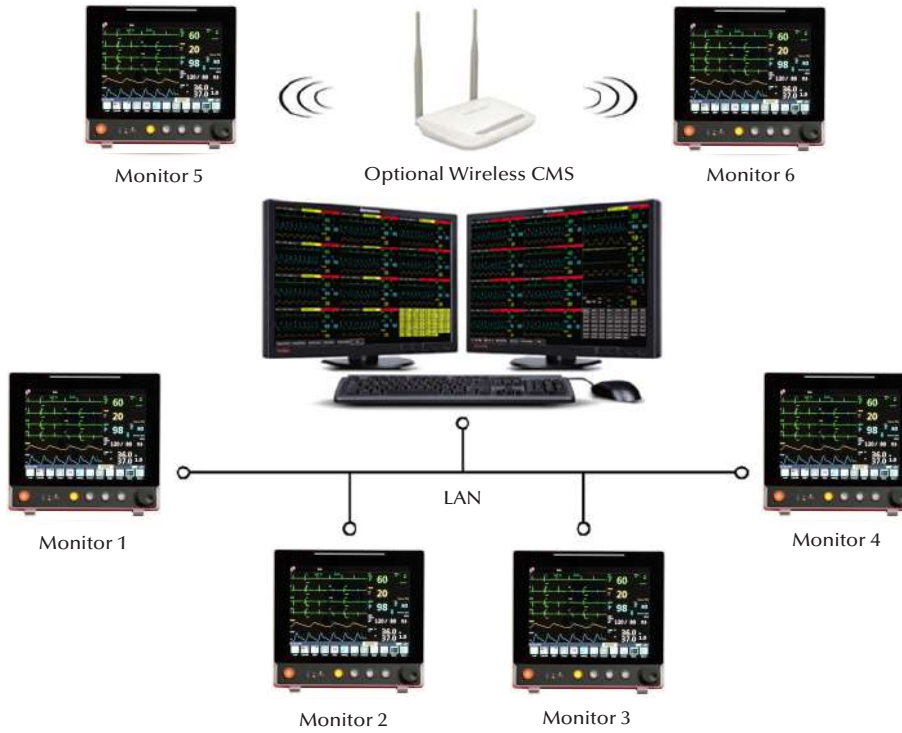
ICU Patient Monitor features:

- 12.1" colour TFT LCD Touch Screen
- Suitable for adult, pediatric & neonatal patients
- Flexible parameters configuration for different clinical environments
- Standard Configuration 3 Lead ECG, HR, RESP, NIBP, Spo2, 2 Temp, PR
- Accurate Alarming System
- Up To 12 Lead ECG Display
- Pacemaker Detection
- ST & Arrhythmia Analysis
- Multi Selectable Screen Options
- 8 Hours holographic waveform review
- 168 hour graphical & tabular trend review with customisable size & colour settings
- Rechargeable high capacity Li-ion battery

Optional

- Thermal Printer, Trolley, Wall Mount, Masimo/Nellcor SpO₂, Dual IBP, Main-stream/Sidestream EtCO₂, Multigas, BIS, NMT, 12 Lead ECG, Cardiac Output, Wifi, 3G/4G Wireless Connection, Central Monitoring System
- 2 Year Warranty

CMS (Up to 64 beds)



Easy access to view the historical data

- 240** Hours long trend
- 120** Min short trend
- 1000+** NIBP measurement
- 200** alarm event



BIS



NMT



Masimo SpO2



Masimo Multigas/EtCO2

Specifications

Display

12.1" color TFT screen
Resolution: 800*600 dpi
Number of traces: 8 waveforms

Indicator

Power indicator light
Battery indicator light

Battery

Rechargeable lithium battery

Networking Wired Or Wireless

I/O

LAN: 1 standard RJ45 Port
WLAN: IEEE802.11 b/g/n
USB: 2 USB connectors
SO: 1 SO card Socket
VGA: 1 standard color VGA monitor connector
Output: 1 standard connector for Nurse Call,
Defib Sync Analog Output

Recorder (Optional)

Built-in, thermal dot array
Waveform: 3 channels
Paper width: 50mm
Print speed: 12.5 mm/s, 25mm/s, 50mm/s

ECG

Lead Type: 3-lead, 5-lead, 12-lead
ECG waveform: 2 channels, 7 channels, 12 channels
Gain selection: x0.25, x0.5; x1; x2
Sweep speed: 6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
Filter: Diagnostic mode: 0.05-150Hz
Monitoring mode: 0.5-40 Hz
Surgery mode: 1-20Hz
Notch: 50Hz, 60Hz
Heart Rate range: Adult: 15-300bpm;
Pediatric/ Neonate: 15-350bpm;
Accuracy: ± 1 bpm or ± 1 %, whichever is greater

Respiration

Method: Trans-thoracic impedence
Operation modes: Auto/ Manual
Measurement range: Adult: 0-120 bpm;
Neonate/Pediatric: 0-150 bpm
Apnea alarm delay: 1 Os, 15s, 20s, 25s, 30s, 35s, 40s
Apnea Alarm: Selectable
Sweep Speed: 6.25mm/s, 12.5mm/s, 25mm/s

SpO2

Measurement range: 0-100%
Resolution: 1%
Accuracy: $\pm 2\%$ (70-100% Adult/Pediatric);
 $\pm 3\%$ (70-100% Neonate);
0-69% unspecified
Refreshing rate: 1s

Masimo SET®

SP02(Optional)
Accuracy: $\pm 2\%$ (70-100% Adult/Pediatric, non-motion, low perfusion);
 $\pm 3\%$ (70-100% Neonate, non-motion);
 $\pm 3\%$ (70-100% motion);
0-69% unspecified

Pulse Rate

Range: 0-254 bpm
Resolution: 1 bpm
Accuracy: ± 3 bpm (non-motion)
 ± 5 bpm (motion)
Refreshing rate: 1s

NIBP

Method: Automatic oscillometric
Operation modes: Manual/Auto I STAT
Measurement unit: mmHg/kPa selectable
Measurement types: Systolic, Diastolic, Mean
Measurement range:
Range of systolic pressure: Adult Mode 40-270 mmHg
Pediatric Mode 40-200 mmHg
Neonatal Mode 40 - 135 mmHg
Range of diastolic pressure: Adult Mode 10-210 mmHg
Pediatric Mode 10 - 150 mmHg

Neonatal Mode 10-100 mmHg
Range of mean pressure: Adult Mode 20- 230mmHg
Pediatric Mode 20- 165mmHg
Neonatal Mode 20- 110mmHg
Accuracy: Max mean error: ± 5 mmHg
Measurement Interval: 1 ,2,3,4,5, 10, 15,30,60,90, 120,180,240,
480minutes
Over-pressure protection: Double safety protection
Cuff pressure range: 0-280 mmHg
Resolution: 1 mmHg

Temperature

Accuracy: ± 0.1 °C or ± 0.2 °F (without probe)
Measurement range: 0-50°C (32 to 122 °F)
Channel: Two-channels
Resolution: 0.1 °C
Parameters: T1 , T2 and TD

IBP (Optional)

Channel: 2-channel
Measurement types: Systolic, Diastolic, Mean
Range: 0mmHg-300mmHg
Resolution: 1 mmHg
Accuracy: $\pm 2\%$ or ± 1 mmHg, whichever is greater (without sensor)
Sensitivity: 5uV/mmHg/V
Impedance range: 300 to 3000

C.O. (Optional)

Method: Thermodilution
Range: C.O.: 0.1 to 20Umin
TB: 23 to 43°C
T1: 0 to 27°C
Accuracy ' C.O.: $\pm 5\%$ or ± 0.1 Umin, whichever is greater
TB, T1 : ± 0.1 °C (without sensor)

Phasein ISA

SidestreamCO₂ (Optional)
Warm-up time: Full accuracy within 10 seconds
Sampling flow rate: 50ml/min (+/-10ml/min)
Accuracy: $\pm (0.2 \% + 2 \% \text{ of the reading})$

Accuracy: $\pm (0.2 \% + 2 \% \text{ of the reading})$
Measurement Range: 0 -15%
Rise time: 200ms, typical at 50ml/min flow rate
Total response time: within 3 seconds (with 2 m Nomoline sampling line)
AWRR Range: 0-150bpm
AWRR Accuracy: ± 1 breath

Phasein IRMA

Mainstream CO₂ (Optional)
Measurement Range: 0 -15%
Warm-up time: Full accuracy within 10 seconds
Accuracy: $\pm (0.2 \% + 2 \% \text{ of the reading})$
AWRR Range: 0-150bpm
AWRR Accuracy: ± 1 breath

Phasein Multi-gas

IRMA AX+Mainstream
(Optional)
Gas: CO₂, N₂O, HAL, ISO, ENF, SEV, DES with automatic identification
Warm-up time: Full accuracy within 20 seconds for IRMA AX+
CO₂ Accuracy : 0-10%: $\pm (0.2 \% + 2 \% \text{ of the reading})$
10-15%: $\pm (0.3 \% + 2 \% \text{ of the reading})$
N₂O Accuracy: 0-100% $\pm (2\% + 2\% \text{ of the reading})$
HAL, ISO, ENF: 0-8%, $\pm (0.15\% + 5\% \text{ of the reading})$
SEV: 0-10%, $\pm (0.15\% + 5\% \text{ of the reading})$
DES: 0-22%: $\pm (0.15\% + 5\% \text{ of the reading})$
Agent identification time: < 20s (typical < 10s)
AWRR range: 0-150bpm
AWRR accuracy: ± 1 bpm
Apnea time: 20s, 25s, 30s, 35s, 40s

Operation Environment

Power: AC100-250V, 50/60Hz
Temperature: 0 -40 C
Humidity: 15-85%
Patient Range: Adult, Pediatric, Neonate



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