



Monitor Series  
**TB1005**

**PATIENT MONITOR**

NICU Monitor



# Patient Monitor

## Feature Series :TB1005

- 8.4 inch TFT touchscreen, light weight & compact design
- Weak current detection up to 0.1mv of ECG ensures monitoring performance on neonates
- Anti-movement technology using on SpO<sub>2</sub> and NIBP ensures accurate reading
- Unique adjustable respiration lead for raising neonatal patient monitoring accuracy
- 112mm built-in printer maximum output 7 waveforms simultaneously



## Technical Specifications

Standard Configuration: ECG, MasimoSET SPO<sub>2</sub>, SUNTECH NIBP, RESP, TEMP, PR/HR  
Optional Functions: EtCO<sub>2</sub>, Oxygen Concentration Module, Wakeup Module

<b>ECG</b>		<b>Masimo SPO<sub>2</sub></b>	
Input	3-Lead or 5-Lead selectable 3 leadwire cable:RA;LA;LL or R;L;F 5 leadwire cable:RA;LA;RL;LL;V or R;L;N;F;C	Measurement	Method: Thoracic impedance Range: 0~120rpm
Lead selection	3-lead: I, II, III 5 lead:I, II, III, AVR, AVL, AVF, V	Accuracy	±2rpm or ±5%, whichever is greater
ECG Waveform	2 channel	Alarm Limit Range	0~120bpm
Gain selection	×0.25, ×0.5, ×1, ×2, Auto	Alarm Tolerance	±2rpm or ±5%
Sweep speed	12.5mm/s, 25mm/s, 50mm/s	<b>TEMP</b>	
Heart Rate for Neonate	15-350BPM	Measurement range	0~50°C
Heart Rate for Pediatric	15-300BPM	Resolution	0.1°C
Accuracy	1bpm or 1%, whichever is greater	Accuracy	±0.1°C
Resolution	1bpm	Channel	T1
Filter	Diagnostic mode:0.05-100Hz Monitor mode:0.5-40Hz Surgical mode:1.0-25Hz	<b>ETCO<sub>2</sub></b>	
Protection	Withstand 5000VAC/50Hz Voltage in isolation Against electrosurgical interference and defibrillation	Measurement range	0-99mmHg
Alarm range	15-350bpm	Accuracy	0 to 40mmHg ±2mmHg 41 to 76mmHg ± 5mmHg 77 to 99mmHg ±10mmHg
ST segment detection	Measurement range: -2.0mv to 2.0mv Alarm range: -2.0mv to 2.0mv	Sample flow rate	Minimum: 50ml/m-7.5ml/m Maximum: 50ml/m+15ml/m
Arrhythmia analysis	Yes	Start-up time	<1min,once the module starts up, it reaches ISO After 1 min,enter the full accuracy mode
Alarm	Yes,audible and visual alarm, alarm event recallable	Respiration rate	0 to 120rpm
Pace detection	Yes	Respiration rate accuracy	±2 rpm
Apnea analysis diagram	display	Response time	<240msec ( 10% to 90%)
Drug dose calculation	Yes	<b>General Specifications</b>	
Standby mode	Yes	Dimension	301(W)×266(H)×145.5(D)mm
<b>Respiration</b>		Gross Weight	3.5Kg
Method	Thoracic impedance	Power Requirement	Input AC 100-240V 50/60Hz 1.0A-0.4A
Measurement range	Neonate: 0~150rpm	Temperature	0°C ~ 40°C
Apnea alarm	Yes, no alarm,10s,15s,20s, selectable	Humidity	15% ~ 80% (non-condensing)
Alarm	Yes, audible and visual alarm, alarm events recallable	Patient range	Neonate
Method	Auto/Manual	Display	8.4" Color TFT LCD Rolling and refreshing waveform display Resolution:800*600
Standby mode	Yes	Trace	Multi displays selectable, including: Standard display, Trend coexist display, Large-font display, OxyCRG dynamic view display
<b>NIBP</b>		Indicator	7 traces Sweep speed:12.5mm/s,25mm/s,50mm/s
Method	Oscillometric	Interface	Alarm indicator light, Power indicator light, Battery indicator light, QRS beep and alarm sound Parameter cable interface AC Power input socket Network interface
Measurement modes	Manual/Automatic/Continuous	Li-ion Battery	External VGA interface for connection Rechargeable(For 1 piece), At least 2 hours for continuous working
Displayed parameters	Systolic, diastolic and MAP(mean arterial pressure)	Trend time	168 hours
Auto measure time	Adjustable	Alarm	User-adjustable High, Medium, and Low limits 3-level audible and visual alarm
Measurement unit	mmHg/kPa selectable	Networking	Connected to central station system
Measurement type	Systolic, Diastolic, Mean	Recorder	Built-in, thermal array Waveform: 4 Channel (standard) Record mode: real time recording Paper width: 112mm Print speed: 25mm/s
Range of Systolic pressure	Neonate: 40-135mmHg		
Range of Diastolic pressure	Neonate: 10-100mmHg		
Range of Mean pressure	Neonate: 20-110mmHg		
Accuracy	±6mmHg		
Resolution	1mmHg		
Alarm	Systolic, Diastolic, Mean		
Over-pressure protection	Double safety protection		
<b>SPO<sub>2</sub></b>			
Measurement range	0%~100%		
Resolution	1%		
Accuracy	±2%(70%-100%); unspecified(0-69%)		
Alarm range	0%~100%		
Pulse rate	Range:20bpm~254bpm Resolution:1bpm Accuracy:±3bpm Alarm range:0~254bpm		