

Monitor Series
 TB1001

MODULAR PATIENT
 MONITOR



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Technical Specifications Series : TB1001



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| ECG | | RESPIRONICS EtCO₂ configurable | |
| Input | 3-Lead or 5-Lead selectable 3 Lead cable: RA;LA;LL or R;L;F 5 Lead cable: RA;LA;RL;LL;V or R;L;N;F;C | Measurement range | 0-99mmHg |
| Lead selection | 3-lead: I,II,III 5 Lead: I, II, III, AVR, AVL, AVF, V | Accuracy | 0 to 40mmHg ±2mmHg 41 to 76mmHg ± 5mmHg 77 to 99mmHg ±10mmHg |
| ECG Waveform | 2 channel | Sample flow rate Minimum | 50ml/m-7.5ml/m |
| Gain selection | ×0.25, ×0.5, ×1, ×2, ×4, Auto | Maximum | 50ml/m+15ml/m |
| Sweep speed | 12.5mm/s, 25mm/s, 50mm/s | Start-up time | <1min, once the module starts up, it reaches ISO After 1 min, enter the full accuracy mode |
| Heart Rate | for Neonate 15-350BPM | Respiration rate | 0 to 120rpm |
| Heart Rate | for Adult/Pediatric 15-300BPM | Respiration rate accuracy | ±2 rpm |
| Accuracy | 1bpm or 1%, whichever is greater | Response time | <240msec (10% to 90%) |
| Resolution | 1bpm | Multi-gas | |
| Filter Diagnostic mode | 0.05-100Hz | Method | Infrared Absorption |
| Monitor mode | 0.5-40Hz | Gas accuracy | CO ₂ : 0 to 15vol%, ±(0.2vol%+2% of reading) 15 to 25vol%, Unspecified N ₂ O: 0~100vol%, ±(2vol%+2% of reading) Enf, Iso, Hal: 0~8vol%, ±(0.15vol%+5% of reading) 8 to 25vol%, Unspecified Sev:0~10vol%, ±(0.15vol%+5% of reading) 10 to 25vol%, Unspecified Des:0~22 vol%, ±(0.15vol%+5% of reading) 22 to 25vol%, Unspecified |
| Surgical mode | 1.0-25Hz | Data output | Fi and Etvalues |
| Protection | Withstand 4000VAC/50Hz Voltage in isolation Against electrosurgical interference and defibrillation | Respiration rate | 0 to 150 ±1RPM |
| Alarm range | Neonate: 15-350BPM Adult/Pediatric: 15-300BPM | Other | Agent mixture detection, MAC value displayed |
| ST segment detection | Measurement range: -2.0mv to 2.0mv | Interfacing | |
| Alarm range | -2.0mv to 2.0mv | Connectors | 1 AC power connector 1 RJ45 network connector 2 USB 2.0 connector 1 VGA output connector 1 Multifunction output connector Nurse call ECG Analog output |
| Arrhythmia analysis | Yes | Data Storage | |
| Alarm | audible and visual alarm, alarm event recallable | Trend date | 168 hours |
| Pace detection | Yes | Alarm events | 100 events |
| Drug dose calculation | Yes | NIBP | 1600 recall |
| Standby mode | Yes | Waveforms | Max. 4 hours. |
| Respiration | | Trend table/Trend graph | 1000 hours. |
| Method | Thoracic impedance | Standard Configuration | ECG, SpO ₂ , NIBP, TEMP, PR/HR, RESP |
| Measurement range | Neonate/Pediatric: 0~150RPM Adult: 0-120 RPM | Optional Functions | ETCO ₂ , 2IBP, Multi-gas, Recorder |
| Apnea alarm | No alarm, 10s, 15s, 20s, 25s, 30s, 35s, 40s selectable | Classification | |
| Alarm | Audible and visual alarm, alarm events recallable | Safety Standard | IEC60601-approved |
| NIBP | | General Specifications | |
| Method | Oscillometric | Display | 12.1" Color TFT LCD with LED background light 5-Wire touch panel is configurable 800*600 Resolution Multi displays selectable, including Standard display, Trend coexist display, Large-font display, OxyCRG dynamic view display, Night mode |
| Measurement modes | Manual/Automatic/Continuous | Dimension | 315(W)×272(H)×121(D)mm |
| Displayed parameters | Systolic, diastolic and MAP (mean arterial pressure) | Weight | 4.3kg |
| Auto measure time | Adjustable | Power Requirement | AC100-240V, 50/60Hz, 140VA, 1.4A-0.59A |
| Measurement unit | mmHg/kPa selectable | Temperature | 0°C ~ 40°C |
| Measurement type | Systolic, Diastolic, Mean | Humidity | 15% ~ 80% (non-condensing) |
| Range of Systolic pressure | Adult: 40-270mmHg Pediatric: 40-200mmHg Neonate: 40-135mmHg | Patient range | Neonate, pediatric and adult patient |
| Range of Diastolic pressure | Adult: 10-210mmHg Pediatric: 10-150mmHg Neonate: 10-100mmHg | Features | Very Thin and Portable design Ergonomically Handle Support two slots for parameter module 7 traces |
| Range of Mean pressure | Adult: 20-230mmHg Pediatric: 20-165mmH Neonate: 20-110mmHg | Trace | Sweep speed:12.5mm/s,25mm/s,50mm/s |
| Accuracy | ±6mmHg | Indicator | Alarm indicator light, Power indicator light Battery indicator light, QRS beep and alarm sound |
| Resolution | 1mmHg | Li-ion Battery | Rechargeable, More than 4 hours for continuous working |
| Alarm | Systolic, Diastolic, Mean | Alarm and Indicator | User-adjustable High, Medium, and Low limits 3-level audible and visual alarm Alarm indicator light Power indicator light Battery indicator light QRS beep and alarm sound Pulse rate modulation sound |
| Over-pressure protection | Double safety protection | Networking | Connected to central station system |
| IBP | | Recorder | Thermal printer, Real time recording |
| Channel | 1 or 2 selectable | | |
| Measurement range | -50~400mmHg | | |
| Resolution | 1mmHg | | |
| Alarm | Systolic, Diastolic, Mean | | |
| Masimo SpO₂ configurable | | | |
| Measurement range | 0%~100% | | |
| Resolution | 1% | | |
| Accuracy | ±2%(70%-100%); unspecified(0-69%) | | |
| Alarm range | 0~100% | | |
| Pulse Rate Range | 20~254bpm | | |
| Resolution | 1bpm | | |
| Accuracy | ±3bpm | | |
| Alarm range | 0~254bpm | | |
| Temperature | | | |
| Measurement range | 0~50°C | | |
| Resolution | 0.1°C | | |
| Accuracy | ±0.1°C | | |
| Channel | T1、 T2、 TD | | |