

# BW3B (iT12)

## Multi-parameter Patient Monitor



[www.szbondway.com](http://www.szbondway.com)

### 12.1-inch Patient Monitor

**Standard 5 parameters:**  
ECG, NIBP, SpO<sub>2</sub>, TEMP, RESP, HR

**Optional Parts:**  
EtCO<sub>2</sub>, 2/4-IBP, Suntech NIBP, Nellcor  
AG module, BIS, Cardio Output, Printer

**BONDWAY**  
since 2006

Shenzhen Bondway Electronics Co. Ltd.



ECG cable



Trolley



SpO2 Sensor



TEMP Sensor



NIBP Cuff



Wall Mount

## BW3B (iT12)

### Feature:

1. Standard 5 Parameter Patient Monitor: ECG, NIBP, SpO2, TEMP, RESP
2. 12.1-inch TFT,800\*600dpi,
3. ICU Monitor Accuracy
4. Real time S-T segment analysis, and ARR analysis;
5. SpO2 Pitch Tone Variation and Drug Dose Calculation;
6. Multi-display: Standard, Large font, Trend Coaxis, OxyCRG dynamic
7. Standby mode for Energy saving and monitoring suspension;
8. 7-lead ECG waveforms display in phase;
9. Capture dynamic waveforms;
10. VGA output (optional)
11. External storage: SD card slot enables memory extension;
12. Built-in rechargeable lithium battery, and battery volume checking,
13. Cascade ECG
14. Efficient resistance against interference of defibrillator and HF knife;
15. F-6 SpO2 workable in Neonate;
16. Networking capacity and TCP/IP networking platform enable abundant future upgrade
17. Time delay switch-off function keep the monitor data restart monitor;
18. Complete and flexible mounting solution for transportation and in-patient monitoring

**Standard package:** 5-lead ECG, SpO2(F-5),NIBP, TEMP,RESP

**Optional parts:** Thermal Recorder, 3/12-lead ECG, 2/4-IBP, EtCO2  
Nellcor/Masimo SpO2, Cardiac Output, Trolley, VGA output  
Phase-in/ Respiration Multi-gas, ICG, BIS.

# Multi-parameter Patient Monitor BW3B (iT12)

## **Safety:**

Safety level: Class I, type CF

## **Patient range:**

Neonate, pediatric, and adult patients

## **Environment Requirement**

Working: 0~+40°C

Transportation & storage: -20~+60°C

Humidity: 15-95% non-condensing

## **Power Supply**

External Power supply

100-240V AC, 50/60 HZ

Internal Battery Power Supply

Type: Rechargeable li-ion, 12v/4AH

Max. 24H charging, 4H working

## **Trend:**

parameters graphic and tabular trends:

5s/piece, 8 hours,

1min/piece, 168 hours (24hour×7days),

5min/piece, 1000 hours,

## **Storage:**

NIBP: 1000 groups

Alarm: 200 groups

Full disclosure waveforms: 1 hour

## **ECG:**

Lead mode: 5-lead (R, L, F, N, C)

Lead selection: I, II, III, avR, avL, avF, V

Waveform: 3 and 7 channel selectable

Gain selection: 0.5mm/mv, 1mm/mv, 2mm/mv

Sweep speed: 12.5mm/s; 25mm/s; 50mm/s

Heart rate range:

Adult: 15~300bpm;

Neonate/pediatric: 15~350bpm

Accuracy: +1bpm or +1%, whichever is greater

Resolution: 1bpm

Filter: surgery mode: 1~20Hz

monitor model: 0.5~40Hz

Diagnostic mode: 0.05~130Hz

Scaling signal: 1mv, +3%

Protection: withstand 4000VAC/50 voltage isolation against electro-surgical interference and defibrillation

Alarm range: 15~350bpm

S-T segment detector:

Measurement range: 2.0mV~+2.0mV

Alarm Range: -2.0mV~+2.0mV

Accuracy: -0.8mV~+0.8mV

Error: +0.02mV

Arrhythmia analysis: YES

## **SPO2:**

Measurement range: 0~100%

Resolution: 1%

Accuracy: +2%(70-100%); 0-69% unspecified

Alarm range: 0~100%

Pulse Rate: range: 20~300bpm

Resolution: 1bpm

Error: +1bpm or +2%, whichever is greater

## **RESP**

Method: Thoracic impedance

Measurement range: Adult: 7~120rpm;

Neonate/Pediatric: 7~150rpm

Apnea alarm: YES, 10~40s

Resolution: 1rpm

Accuracy: +2rpm

## **NIBP:**

Method: Digital Automatic oscillometric

Operation mode: Manual/Automatic/continuous

Auto measurement time: Adjustable (1~480min)

Measurement Unit: mmHg/Kpa selectable

Measurement types: Systolic, Diastolic, Mean

Measurement range:

Range of Systolic pressure:

Adult: 40~270mmHg

Pediatric: 40~220mmHg

Neonate: 40~135mmHg

Range of mean pressure:

Adult: 20~235mmHg

Pediatric: 20~165mmHg

Neonate: 20~110mmHg

Range of diastolic pressure:

Adult: 10~215mmHg

Pediatric: 10~150mmHg

Neonate: 10~100mmHg

Over-pressure protection:

Double safety protection

Resolution: 1 mmHg

Alarm: Systolic, Diastolic, Mean

## **TEMP:**

Compatible probe: YSI or CYF

Measurement range: 5~50°C

Resolution: 0.1°C

Accuracy: +0.1°C

Refreshing time: about 1

Average measuring time: <10s

## **IBP(Optional)**

Channel: 2 channels

Range: -50-300mmHg

Resolution: 1mmHg

Accuracy: ±4mmHg(±4%)

Unit: mmHg, Kpa

Converter Sensitivity: 5mV/V/mmHg

Transducer sites: ART/PA/CVP/LAP/RAP/ICP

## **EtCO2( Sidestream CO2, Optional)**

Measurement range: 0~99mmHg

Accuracy: +2mmHg (0~40mmHg)

Sampling Range: 100ml/min

Sampling rate accuracy: 15%

Respiration rate: 0~120rpm

Respiration accuracy: +2rpm (0~70rpm)

+5rpm (>70rpm)

Respiration time: <240msec (10% to 90%)

Delay time: <2s

## **EtCO2 (mainstream CO2, Optional)**

Method: Infrared Spectrum

Range: 0.0-10% (0~76%)

Resolution: 1mmHg (0.1%)

Accuracy: <5%(±4.0 mmHg)

Or <10%(of Readings)

## **Recorder(Optional):**

Build-in, thermal array

Plethysmogram waveform: 2 channels

Record mode:

manual, on alarm, time-defined

Recording width: 50mm

Printing speed: 50mm/s

Recording type: Frozen waveform record

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