

# BW3C (iZ15)

## Multi-parameter Patient Monitor



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

### 15-inch Patient Monitor

**Standard 5 para:** ECG,NIBP,SpO2,TEMP,RESP,HR

**Optional Para:** EtCO2, 2/4-IBP, Suntech NIBP, Nellcor AG module,BIS, Cardio Output,Printer

**BONDWAY**  
since 2006

Shenzhen Bondway Electronics Co. Ltd



## Patient monitor

### Feature:

- 15.1" color TFT display, high resolution 1024×768 dpi;
- Separated para board: ECG, NIBP, SpO2 board;
- Full touch-screen enables intuitive operation by clicking one the specific parameters or the waveform in real time, standard configuration includes the navigation knob.
- Real time S-T segment analysis, and ARR analysis;
- SpO2 Pitch Tone Variation and Drug Dose Calculation;
- Multi-display: Standard, Large font, Trend Coaxis, OxyCRG dynamic
- Standby mode for Energy saving and suspend monitoring;
- 7-lead ECG waveforms display in phase;
- Capture dynamic waveforms;
- Built-in rechargeable lithium battery, and battery volume checking.
- Efficient resistance to interference of defibrillator and HF knife;
- SINNOR F-6 SpO2 workable for neonate;
- TCP/IP networking platform enable abundant future upgrade
- Complete and flexible mounting solution for transportation and in-patient monitoring

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

**Optional parts:** Touch Screen, Thermal Recorder, 3/12- lead ECG, 2/4-IBP,EtCO2, SpO2(F-6) , Multi-gas, Cardiac Output.



ECG cable



SpO2 Sensor



NIBP Cuff



TEMP Sensor



Wall Mount



Trolley

# BW3C (iZ15) Multiparameter Patient Monitor

## Standard Parameters

### ECG:

Lead mode: 3/5-lead(R,L,F,N,C)  
Lead selection: I,II,III,avR,avL,avF,V  
Waveform: 3 and 7channel 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 electrosurgical  
interference and defibrillation  
Alarm range: 15~350bpm  
S-T segment detecton:  
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%  
Pluse Rate: range:20~300bpm  
Resolution:1bpm  
Error:+1bpm or +2%,whichever is greater

### 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 tange:  
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

### RESPIRATION

Method: Thoracic impedance  
Measurement range: Adult:7~120rpm;  
Neonate/Pediatric:7~150rpm  
Apnea alarm: YES,10~40s  
Resolution: 1rpm  
Accuracy: +2rpm

### 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

## Optional Parts

### RECORDER:

Recorder: Built-in, thermal array  
Plethysmogram caveform:2 channels  
Record mode: manual, on alarm, time-defined  
Recording width: 50mm  
Printing speed: 50mm/s  
Recording type: Frozen waveform record  
NIBP recall record  
Trend table record  
Alarm record  
Fixed -time record

### IBP (invasive blood pressure)

IBP Waveform: 2-Channel  
Max 8 channels  
Measurement Range: -50~+350mmHg  
Resolution: 1mmHg  
Unit: mmHg, kPa  
Accuracy:  
Dynamc: ±4mmHg or 4%, whichever is greater  
Sensitivity of transducer: 5 uV/V/mmHg, ±2%  
Impedance of transducer:300~3000 Ohm  
Transducer sites: Arterial Pressure(ART)  
Pulmonary Artery Pressure(PA)  
Left Atrium Pressure(LAP)  
Right Atrium Pressure(RAP)  
Central Venous Pressure(CVP)  
Intracranial PRESSURE(ICP)  
P1/P2  
Selection of measurement range:  
ART: 0 ~+ 350mmHg  
PA: -10 ~+ 120mmHg  
CVP/RAP/LAP/ICP:-10 ~+ 40mmHg  
P1/P2: -50 ~+ 360mmHg

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