

# ZD 120E

Multi-Parameter Patient Monitor



6 Standard parameters: ECG, RESP, NIBP, SPO2, 1-TEMP, PR/HR.

12.1" high resolution color TFT LCD display.

Real time S-T segment analysis, pace-maker detection and ARR analysis.

Drug calculation and titration table.

Multi display Selectable including Standard, large font, trend coexist, OxyCRG dynamic view and bed-to-bed view display.

Indication of Incorrect manipulation and malfunction analysis.

On-line help and Patient info input management function.

Networking capacity and nurse-calling system.



Core of Technology Care for life



## ZD120E Multi-Parameter Patient Monitor

### Features & Benefits:

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- 12.1" high resolution color TFT LCD display.
- Real time S-T segment analysis, pace-maker detection and ARR analysis.
- Drug calculation and titration table.
- Multi display Selectable including Standard, large font, trend coexist, OxyCRG dynamic view and bed-to-bed view display.
- Indication of Incorrect manipulation and malfunction analysis.
- On-line help and Patient info input management function.
- Multi-lead ECG waveforms display in phase.
- Large volume of tabular and graphic trends information storage and easy to recall.
- Capture dynamic waveforms.
- Efficient resistance to interference of defibrillator and HF knife.
- UP to 2 hours working capacity of built-in rechargeable battery.
- Unique accessory management cabinet.
- Networking capacity and nurse-calling system.
- Options of IBP and EtCO2.

# ZD 120E



## Multi-Parameter Patient Monitor



### Model NO.ZD120E

#### Safety

IEC60601-1 approved, Category I BF, CF Type

#### Dimension and Weight

Dimension: 300mm x 500mm x 350mm

G Weight: <9.0KGS

#### Operation Environment

Temperature: Working 0~+40°C

Transportation and storage -20~+60°C

Humidity: Working ≤85%

Transportation and storage ≤93%

Power: AC100-240V,50/60Hz

Patient range: Neonate, Pediatric, and adult patients



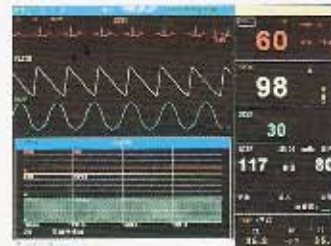
Multi-Lead ECG Waveforms Display in Phase



Trend Coexist Display



Bed to Bed view Display



OxyCRG Dynamic View Display

### Specifications

#### Performance Specifications

Display:	12.1" color TFT Rolling and refreshing waveform display Resolution: 800x600 Multi display Selectable including: Standard display Multi channels display Large font display Trend coexist display OxyCRG dynamic view display Bed-to-bed view display.
Trace:	6 waveforms Sweep speed: 12.5mm/s, 25mm/s, 50mm/s
Indicator:	Power/battery indicator light QRS beep and alarm sound
Battery:	Rechargeable lead acid cell, 12V/4AH Max.24 hours for charging, 2 hours for continuous working
Trend time:	above 72 hours
Alarm:	User-adjustable High, Medium and Low limits 3-level Audible and visual alarm
Networking:	Connected to central monitoring system
Recorder:	Built in thermal array Plethysmogram waveform: 2 channels Record mode: manual, on alarm, time-defined Recording width: 50mm Printing speed: 25mm/s Frozen waveform record
Recording type:	NIBP recall record Trend table record Alarm record Fixed-time record

#### ECG

Lead mode:	5-lead (R,L,F,N,C)
Lead selection:	I,II,III,avR,avL,avF,V
Waveform:	2 and 6 channel selectable
Gain selection:	0.25mm/mv, 0.5mm/mv, 1 mm/mv, 2 mm/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 mode: 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 detection:	Measurement range: -2.0mV~ +2.0mV Alarm Range: -2.0mV~ +2.0mV Accuracy: -0.8mV ~ +0.8mV Error: ± 0.02mV
Arrhythmia analysis:	Yes.

#### 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: 40~200mmHg  
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: 1mmHg  
Alarm: Systolic, Diastolic, Mean

#### 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

#### RESPIRATION

Method: Thoracic impedance  
Measurement range: Adult : 7~120rpm;  
Neonate/Pediatric: 7~150rpm  
YLS, 10~40s  
1rpm  
± 2rpm

#### TEMPERATURE

Compatible probe: YSI or CYF  
Measurement Range: 5~50 °C  
Resolution: 0.1 °C  
Accuracy: ± 0.1 °C  
Channel: dual-channel, provide T1, T2, DT  
Refreshing time: about 1s  
Average measuring time: <10s

#### IBP

Measurement range: -10~300mmHg  
Pressure name: ART, PA, CVP, RAP, LAP, ICP, P1, P2  
Channel: 2 channels  
Pressure transducer: Sensitivity: 5 μV/mmHg

#### Accuracy:

Impedance range: 300~3000 Ω  
± 1mmHg or ± 2%, whichever is greater (exclusive of transducer)  
-10~300mmHg

#### Alarm Range:

#### EtCO2

Sidestream CO2  
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)  
± 5 rpm(>70rpm)  
Respiration time: <240msec (10% to 90%)  
Delay time: <2s

#### Standard Configuration:

ECG, NIBP, RI, SP, 1-TEMP, SPO2, PR

#### Optional:

Thermal Recorder, 1-IBP, 2-IBP, ETCO2

MARKETED IN INDIA BY :



NIBP MONITOR NEBULIZER  
INFUSION PUMP PULSE OXIMETER  
PATIENT MONITOR FETAL HEART MONITOR  
CARDIAC MONITOR OXYGEN CONCENTRATOR  
DIGITAL THERMOMETER DIGITAL BLOOD PRESSURE MONITOR

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