



## MULTI-PARAMETER MONITOR-053

### **Standard configuration:**

ECG, NIBP, SPO2, Respiration, Temperature, Pulse.  
Arrhythmia analysis, ST Segment analysis, Pace-maker analysis, Drug dose calculation

### **Physical Character:**

Displayer: **15" color TFT** LCD screen with maximum 8-waveform display.  
AC/DC Power supply, Uninterrupted Monitoring  
Rechargeable high-energy built-in battery  
Advanced streamline outline design, portable, compact, lightweight  
Different Main Interfaces Selectable  
Operating menu with **multi-language** interface selection: English, Spanish, Portuguese, Chinese, Arabic, Russian, Italian, etc.  
Easy operation with user friendly menu structure design and rotary dial  
Against & eliminate ESU interference & defibrillation, no need to disconnect the monitor from the patient in process of defibrillating.  
Three-application mode: Monitoring, diagnosis, operating.  
Maximum 720 hour graphic and tabular trends of all parameters, 3 Hours Trends can show directly on the main interface  
WAN communication function to network with central monitoring system and make long-distance monitoring, diagnosis, maintenance and software upgrade possible  
Optional built-in wireless networking function  
Intelligent audio and visual comprehensive alarm, Automatic imitate human voice alarm function  
In-hospital applications include emergency room's pre and post operative care, ICU, Operation room/theater, ambulatory surgery, intermediate care/step down units, labor and delivery, and hospital-based special procedure areas.  
Suitable for use in physicians' offices, clinics, outpatient surgical centers, extended care facilities and other patient care areas, which of require affordable monitoring  
**Suitable for adult, pediatrics, neonates**



### **Accessories:**

- 1 set of ECG cable
- 1 set of ECG electrode
- 1 set of NIBP extend cable
- 1 set of NIBP adult or pediatric or neonate cuff
- 1 set of RESP nasal cavity pipe
- 1 set of TEMP surface probe
- 1 set of TEMP cavity probe
- 1 set of integrated adult or pediatric or neonate SpO2 sensor
- 1 set of power supply cable

### **Optional configuration:**

Accessories especially for Neonatal and Pediatric Patient  
Built-in printer;  
IBP(Invasive Blood Pressure)  
ETCO2

### **Technical Parameter**

#### **Temperature (surface and rectal)**

Measurement range: 25.0 – 45.0 C  
Accuracy: +/- 0.1 C  
Resolution: 0.1 C  
Response time: =< 3 min.



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### ECG

:

Input: 5 wires ECG cable

Lead section: I,II,III/ aVR, aVL, aVF/ V

Gain ( mm/mV ) : 1/4 , 1/2 , 1 , 2 ,4

Frequency response :

Diagnosis 0.05 - 100Hz

Monitor 0.5 - 40 Hz

Surgery 1.0 - 25 Hz

Sweep speed(mm/sec): 12.5, 25, 50

Heart rate range: 15-300 BPM

Heart rate accuracy: +/- 1 %

ST segment deviation analysis: -2.0+2.0mV

ST accuracy: +/-0.02mv

### Respiration Rate

:

( RALL impedance and nasal cavity)

Measurement range: 7 - 150 BPM(adult)

### Pulse Rate SpO2

SPO2 measurement range: 0 - 100 %

Resolution: 1 %

Pulse measurement range: 20- 300BPM

Accuracy: +/- 2 %

Resolution: 1 BPM

### NIBP (Non-invasive blood pressure)

Measurement type : adult, pediatric, neonatal

Measurement range: Systolic 4.0 - 37.0 kPa

Diastolic 1.3 - 33.0 kPa

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Mean 2.6 - 35.0 kPa

Accuracy : +/- 0.4 kPa or 5 %

Resolution: 0.1 kPa

Protection: over pressure

### IBP(Invasive blood pressure) option

(with venous punch)

Measurement range: -1.3~40kPa (-10~300mmHg)

Channel: 2 channel

Transducer sensitivity: 5MV/V/mmHg

Unit display: KPa or mmHg selectable

Accuracy: +/- 2 %

Resolution: 18 BPM



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### **ETCO2 (side stream type) option**

Measurement range: 0-10 % (ins CO<sub>2</sub> and et CO<sub>2</sub>)  
Accuracy: +/- 2 mm Hg (< 5 % Measurement value)  
10 % (> 5 % Measurement value)  
Response time: 180 Ms =< 90%

### **Power requirements**

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Input: 98 - 260 V AC, 50/60Hz  
Consumption: =< 80VA

### **Environment**

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Operation Storage  
Temperature 0.5 - 40 C -20 - 50 C  
Relative humidity =< 80%

Safety standard: IEC 60601-1  
Quality System : ISO13485: 2003