

# Spot-check Monitor



# PC-303



FDA 510(k)



## Application:

Integrated with lithium battery, PC-303 handheld Spot-check monitor conveniently measures SpO<sub>2</sub>, Pulse Rate, NIBP and TEMP. The device is widely used in hospitals, clinics and family daily measurement. Equipped with bluetooth and USB interface, users are able to transfer the data to PC/Cellphone for further diagnosis.

## Feature:

- 4.3 inch LCD display and 9 inch LCD display
- Measurement of SpO<sub>2</sub>, NIBP, Pulse Rate and TEMP
- Up to 6000 groups NIBP data storage
- Quick ear probe TEMP measurement result in 5 seconds
- Built-in rechargeable lithium battery
- Data transfer to PC/Cellphone by USB or Bluetooth
- Optional with ECG and Glucometer

## Technical Specifications

### A. SpO<sub>2</sub>

Measuring range: 35%~100%  
Accuracy:  $\pm 2\%$  (during 75%~100%)  
 $\pm 3\%$  (during 50%~74%)

### B. Pulse Rate

Measuring range: (0~300)bpm  
Accuracy:  $\pm 2\%$  or  $\pm 2$ bpm (which ever is greater)

### C. NIBP

NIBP Range: 0mmHg~300mmHg (0kpa-39.9kpa)  
Pressure transducer accuracy:  $\pm 3$ mmHg  
Measuring range: Systolic pressure: 60mmHg~240mmHg  
Diastolic pressure: 30mmHg~180mmHg

### D. TEMP

Measuring range: 32~43.9 $^{\circ}$ C  
Accuracy:  $\pm 0.1^{\circ}$ C (during 35~39 $^{\circ}$ C)  
 $\pm 0.2^{\circ}$ C (other)  
Measuring time: <20s

### E. ECG Measurement (Optional)

Heart Rate measuring range: 30bpm~240bpm  
Heart Rate measuring accuracy:  $\pm 2$ bpm or  $\pm 2\%$  whichever is greater  
Display scale: 5.0mm/mV $\pm 10\%$   
Common-mode rejection ratio (CMRR):  $\geq 60$ dB

### F. Blood Glucose Measurement (Optional)

Measuring range: 1.7mmol/L~27.8mmol/L  
Measuring accuracy:  $\pm 0.3$ mmol/L  
Responding time: 5s $\pm 0.5$ s

### G. Power Supply

Battery: 3.7V inbuilt li-ion battery  
Operating voltage: 3.6~4.2VDC  
Operating current:  $\leq 1000$ mA  
Charger: Input: 110~240VAC, 50/60Hz  
Output: 5VDC 1.2A

### H. Environment Requirement

Temperature: 5 $^{\circ}$ C~40 $^{\circ}$ C  
Humidity: 30%RH~80%RH

