

Patient Monitor

# PRIZM 3 (CX210)



## High Portability

- Compact and light
- Rechargeable battery operated

## High performance

- In low perfusion ( $0.05 \sim 20\%$ )
- In patient moving and Electrical interference ( $\pm 3\% \text{SpO}_2$ )

## Stable Convenience design

- Desktop, handle and IV pole mounting solutions

## Optimal parameters and WIDE selectability

- Any combination selectable as below
  - ECG, ECG+SpO<sub>2</sub>
  - ECG+NIBP, NIBP+SpO<sub>2</sub>
  - NIBP+ECG+SpO<sub>2</sub>, NIBP+SpO<sub>2</sub>+TEMP
  - NIBP+SpO<sub>2</sub>+ECG+TEMP
  - EtCO<sub>2</sub>+SpO<sub>2</sub>, EtCO<sub>2</sub>(Vet only)

# FEATURES AND SPECIFICATIONS

## PERFORMANCE

### ECG

Channel : 1channel  
Electrode : 3electrodes  
Leads : 3Lead(I,II,III)  
Dynamic range : 1.0cm/mV  $\pm$ 10%  
Heart rate range : 0 to 300bpm  
Heart rate Accuracy :  $\pm$ 3% or  $\pm$ 3bpm  
Input signal range :  $\pm$ 0.5mV to  $\pm$ 5mV  
Pacemaker Detection Mode : User selectable

### SpO<sub>2</sub>

Measurement range : 0 to 100%  
Accuracy : 70% to 100%  $\pm$ 2 digits  
50% to 69%  $\pm$ 3 digits  
0% to 49% unspecified  
Pulse rate range : 15 to 300bpm  
Pulse rate accuracy :  $\pm$ 3bpm  
Perfusion index : 0.05% to 20%

### NIBP

Measurement range : 0 to 280mmHg  
Reusable cuff : Adult(STD accessory)  
Child cuff(Optional accessory)  
Auto deflation pressure : Adult 315  $\pm$ 10mmHg  
Pediatric 265  $\pm$ 10mmHg  
Neonate 155  $\pm$ 10mmHg  
Automatic Measurement Cycles : 1,2,3,5,10,15,30,60,90min  
2,4,8,16hr

### Temperature

Sensor : YSI400 series  
Resolution : 0.1°C  
Measurement range : 15°C to 45°C  
Accuracy :  $\pm$ 0.1°C(25°C to 45°C)  $\pm$ 0.2°C(15°C to 24°C)

### EtCO<sub>2</sub> (Vet only)

Mode of Sampling : Sidestream  
Measurement range : 0 to 150mmHg, 0 to 19.7, 0 to 20kPa  
Respiration range : 2 to 150 breaths per minute(BPM)  
Inspired CO<sub>2</sub> range : 3 to 50mmHg  
Accuracy : 0 to 40mmHg  $\pm$ 2mmHg, 41 to 70mmHg  $\pm$ 5%  
71 to 100mmHg  $\pm$ 8%, 101 to 150mmHg  $\pm$ 10%  
Resolution : 0 to 69mmHg 0.1mmHg, 70 to 150mmHg 0.25mmHg

## ELECTRICAL

### Instrument

Power input : 12vdc (external power input)  
Fuse rating : 5Amperes

### Battery

Type : NI-MH internal battery  
Battery capacity : Typically 2hours using new,  
fully charged battery  
Charge time : 6hours

## GENERAL

### Display

Display : mono graphic LCD  
Resolution : 240  $\times$  64pixels

### Display parameter

Heart rate, SpO<sub>2</sub> percentage, Blood pressure(NIBP),  
Temperature, ECG Channel, Battery status, Alarm status,  
Perfusion index

### Alarm

Alarm : All parameters on/off selective independently  
Silence : 2min  
Volume : 0(off) to 7

### Trends

Memory : 10days at 10seconds interval  
Display : Tabular

### Output

RS232 digital output from serial port

### Weight

1.2Kg (Main device)

### Dimensions

8.5cm  $\times$  24.5cm  $\times$  16cm

### Environmental

Operating Temperature : 5°C to 40°C  
Transport/Storage Temperature  
(in shipping carton) : -20°C to 70°C  
Operating Humidity : 15% to 95%, noncondensing  
Operating Altitude : -1,000ft to 12,000ft

### Basic Accessories

SpO <sub>2</sub> sensor	1ea	SpO <sub>2</sub> extension cable	1ea
ECG cable(3-lead)	1ea	Adult NIBP cuff	1ea
NIBP hose	1ea	TEMP sensor	1ea
ECG electrode	10ea	DC power unit	1ea
Power cord	1ea	User's manual	1ea

### Optional Accessories

Neonate NIBP cuff  
Pedi NIBP cuff  
SpO<sub>2</sub> sensor(pediatric, neonate, Y-type)  
ECG electrode  
Clamp