

# C90A Transport Monitor



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## Technical Specifications

**Safety**  
IEC60601-1 approved, CE marking according to MDD93 / 42 / EEC

## Performance Specifications

Display: 4.3 inch Color TFT touch screen  
Power Supply: 100-240 VAC, 50/60HZ  
Battery Type: Lithium-ion  
Voltage: 15V DC  
Capacitance: 4,400 mAh

Dimension: 85 mm(W) x 190mm (L) x 150 mm (H)  
Weight: 1.2kg

## ECG

Lead Type: 3-lead, 5-lead, 12-lead selectable  
ECG waveform: 2 channels  
Gain selection: x0.125; x0.25; x0.5; x1; x2; auto  
Sweep speed: 12.5mm/s, 25mm/s, 50mm/s  
Heart Rate range: Adult: 15-300bpm; Neonate/ Pediatric: 15-350bpm  
Accuracy:  $\pm 1$ bpm or  $\pm 1\%$ , whichever is greater  
Alarm range: 15-350 bpm

## Respiration

Method: Thoracic impedance  
Operation modes: Auto/ Manual  
Measurement range: Adult: 0~120 bpm; Neonate/Pediatric: 0~150 bpm  
Alarm: YES, audible and visual alarm, alarm events recallable

## NIBP

Method: Automatic Oscillometric  
Operation modes: Manual/Automatic/Continuous  
Measurement types: Systolic, Diastolic, Mean  
Range of systolic pressure: Adult Mode 40 - 270 mmHg  
Pediatric Mode 40 - 200 mmHg  
Neonatal Mode 40 - 135 mmHg  
Range of diastolic pressure: Adult Mode 10 - 210 mmHg  
Pediatric Mode 10 - 150 mmHg  
Neonatal Mode 10 - 100 mmHg  
Range of mean pressure: Adult Mode 20 - 230mmHg  
Pediatric Mode 20 - 165mmHg  
Neonatal Mode 20 - 110mmHg  
Accuracy: Max mean error: 5 mmHg  
Max standard deviation: 8 mmHg  
Resolution: 1mmHg

## Convenient operation / Data

Configuration	ECG/HR	SPO <sub>2</sub> /PR	NIBP	TEMP	RESP	EtCO <sub>2</sub>
C90A ( SpO <sub>2</sub> )	X	√	X	X	X	X
C90A( SpO <sub>2</sub> +NIBP )	X	√	√	X	X	X
C90A ( ECG+SpO <sub>2</sub> )	√	√	X	X	X	X
C90A ( ECG+SpO <sub>2</sub> +NIBP )	√	√	√	X	X	X
C90A ( SpO <sub>2</sub> +ETCO <sub>2</sub> )	X	√	X	X	X	√
C90A ( ECG+SpO <sub>2</sub> +ETCO <sub>2</sub> )	√	√	X	X	X	√
C90A ( ECG+SpO <sub>2</sub> +NIBP+TEMP+RESP )	√	√	√	√	√	X

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

Measurement range: 0~100%  
Resolution: 1%  
Accuracy:  $\pm 2\%$  (70-100%, Adult/Pediatric, non-motion);  
 $\pm 3\%$  (70-100%, Neonate, non-motion);  
 $\pm 3\%$  (70-100%, Adult/Pediatric/Neonate, motion)  
0-69% unspecified  
Alarm range: 1~100%

## Masimo SpO<sub>2</sub> (Optional)

Measurement Accuracy:  $\pm 2\%$  (70-100%, Adu/Ped, Non-motion);  
 $\pm 3\%$  (70-100%, Neo, Non-motion);  
 $\pm 3\%$  (70-100%, Motion);

## Nellcor SpO<sub>2</sub> (Optional)

Measurement Accuracy:  $\pm 2\%$  (70-100%, MAX-A, MAX-AL, MAX-N, MAX-P, MAX-I and MAX-FAST sensors);  
 $\pm 3\%$  (70-100%, D-YS, DS-100A, OXI-A/N and OXI-P/I sensors);  
0-69% unspecified

## Pulse rate:

Range: 0~254bpm  
Resolution: 1bpm  
Accuracy:  $\pm 3$ bpm

## Temperature

Accuracy:  $\pm 0.1$  °C (excluding the sensor)  
Measurement range: 0~50 °C  
Channel: Dual-channel. Provide T1; T2;  
Resolution: 0.1 °C

## Respironics EtCO<sub>2</sub> (Optional: Sidestream/ Mainstream)

Range: 0 ~ 150 mmHg  
Accuracy:  $\pm 2\%$  0 ~ 40 mmHg  
 $\pm 5\%$  41 ~ 70 mmHg  
 $\pm 8\%$  71 ~ 100 mmHg  
 $\pm 10\%$  101 ~ 150 mmHg  
AwRR Accuracy:  $\pm 1$ rpm  
Convenient design for intubated and non-intubated applications  
Possible to work at low sample flow rate: 50ml/min



1 First-aid



2 Transfer pati



3 Within the hospital



4 Monitor at bedside



# C90A

## Transport Monitor

New generation of specialized transport monitor



# C90A Transport Monitor



C90A is a Specialized transport monitor built on best quality ABS Plastic with Anti Shock Design so that it can be used in Ambulance, patient Transport on Stretcher and ICU. Its More convenient in operation room for Laproscopic surgeries if used with twin combination of Masimo SpO<sub>2</sub> & Etco<sub>2</sub> (Respironics).

Its a versatile design with First Aid kit bag , which make the patient transport more convenient with twin battery option. C90A has a built in battery of 4.4 AH and the first aid kit contains 2.6AH making C90A workfor continuous 8 hours.

## Features

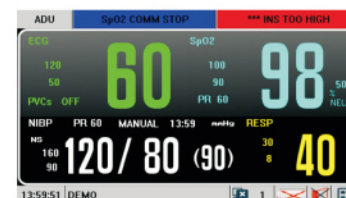
- 4.3 inch Color Touch Screen TFT, 1.2kg
- 2. With Dual Battery Option of 4.4 AH & backup support of 2.6 AH , Monitor can support up to 8 hours of continuous monitoring; making it suitable for transportation of patient in Ambulance
- 3. Flexible configuration to meet different clinical needs
- Real-time parameters measurement display
- Three level Audio and Visual Alarm
- Powerful storage capacity:
  - 48 hours trends graphic review
  - 1000 sets NIBP data review
  - 100 alarm records review
- Real-time parameters measurement display with trends table



- Waterproof and Anti-shock design
- Portable First Aid Bag for easy carrying of Patient Monitor and first aid kit
- Multiple carrying options: Shoulder/Stretcher/Ambulance



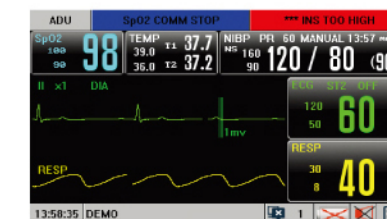
- Can Exchange Data with C90 (Mother Unit)
- Can be used as a Module for C90 (ECG/SPO2/NIBP/TEMP/RESP/CO2)



- Big Font



- Comen Inherited feature of 9 common short cut keys
- Multiple Interfaces



- Two channel Waveform Display