



Introduction

- PC-900 is a multi-functional apparatus with compact and efficient system for routine and critical patient care.
- It has functions of continuous monitoring, real-time recording and display of vital physiological parameters including Oxygen Saturation (SpO₂), Pulse Rate (PR) and Non-invasive Blood Pressure (NIBP).
- With portable design and optional high capacity battery PC-900 is applicable to not only hospitals and clinics, but also most emergency and fieldwork circumstances.



Features

- Large and bright LED display for SpO₂, PR and NIBP values
- High resolution LCD display for plethysmogram and system information
- Accurate NIBP measurement with hardware over-pressure protection
- Accurate SpO₂ measurement with high sensitivity
- SpO₂ trend curve display for recent 12, 24 or 96 hours
- Measurement of Pulse Rate (PR) and Perfusion Index (PI)
- Storage and review of up to 1200 groups of NIBP measurements
- Optimized NIBP modes for adult, pediatric and neonatal
- Audible and visible alarms
- " Nurse Call " function available
- Optional built-in printer for printing waveforms and text information
- Built-in rechargeable battery



Technical Specification

Non-invasive Blood Pressure (NIBP)

Measurement Method	Oscillometric		
Cuff Type	Standard	Adult	
	Optional	Pediatric or Neonatal	
Inflation Time	≤ 10 sec (Typical Adult Cuff)		
Measurement Time during Deflation	< 90 seconds on average (adult cuff)		
Defaulted Initial Cuff Inflation Pressure	Adult	180mmHg	
	Pediatric	120mmHg	
	Neonatal	90mmHg	
Overpressure Protection Limit	Adult	300mmHg	
	Pediatric	240mmHg	
	Neonatal	145mmHg	
Measurement Range	Systolic	Adult	40 - 275mmHg
		Pediatric	40 - 200mmHg
		Neonate	40 - 135mmHg
	Diastolic	Adult	10 - 210mmHg
		Pediatric	10 - 150mmHg
		Neonate	10 - 95mmHg
	MAP	Adult	20 - 230mmHg
		Pediatric	20 - 165mmHg
		Neonate	20 - 110mmHg
Measurement Accuracy	Mean Difference	≤ ±5mmHg	
	Standard Deviation	≤ 8mmHg	
Measurement Mode	Manual, Auto & STAT		
Cycle of Auto Mode	Setting Range	1 - 480 minutes	

Oxygen Saturation (SpO₂)

Method	Dual-wavelength Optical
Measurement Range	1 - 100%
Measurement Accuracy	Arms ≤ 3% at 70% - 100% (Arms is defined in ISO9919)

Pulse Rate (PR)

	30 - 250bpm
	±2 bpm or ±2%
	(whichever is greater)

Others

Ambient Temperature	5 - 40°C
Relative Humidity	15% - 90% (noncondensing)
Atmospheric Pressure	70 - 106kPa
Power Supply Voltage	100 - 240VAC
Power Supply Frequency	50/60 Hz

Product Size and Weight

Dimensions	168mm(D) × 172mm(W) × 242mm(H)
Net Weight	2.4Kg
Gross Weight	4.7Kg