



SP-800

Vital Signs Monitor



- **NEW ON INFLATION** Non-invasive Blood pressure
- **NEW ON INFLATION** Faster and more comfortable readings
- **NEW** Integrated Power Supply
- Bi Directional Non-invasive Blood Pressure
- 'Artefact rejection' SP 800 will complete reading in the same cycle on deflation in the presence of movement
- Designed, developed & manufactured in the UK
- Simple to use, on-screen instructions
- NIBP for adult/neonate, pulse rate, SPO2 and temperature
- Alarms and printing function
- Manual mode and multiple automatic settings
- Built-in printer option
- Stores 1000 patient records
- Extremely light and portable (max 1.4Kg)
- Mains or battery operated for mobile monitoring with quick battery charging. 350 readings on one battery charge
- Two-year guarantee



TECHNICAL SPECIFICATIONS

Name and model number	Vital Signs Monitor, SP-800
Power source	Mains: AC100-240V, AC ($\pm 10\%$), 50-60Hz, ($\pm 3\text{Hz}$), 40VA max. 350 measurements for NIBP. Use cables that are supplied with the SP800.
Display	LCD display: SYS, DIA, Mean, Pulse rate, SPO2, Temp with 8 indicators
NIBP	Oscillometric method
Measuring range	Adult mode: 40mmHg – 270mmHg Neonate mode: 20mmHg – 130mmHg
Measurement Time	A 120/80 measurement is < 25secs (typically)
Auto mode interval setting	3,4,5,10,15,20,30,60 or 90minutes (1minute interval programmable from 1min to 90 min.) / STAT for continues 10 minutes
Blood pressure accuracy	Meets or exceeds SP10-1992 AAMI standards for non-invasive blood pressure accuracy and the International protocol standards.
Initial cuff inflation	Adult: 180mmHg. Typically maximum pressure over systolic $\leq 20\text{mmHg}$ Neonate: 120mmHg / Programmable
Pulse rate	40-200bpm, accuracy 5%
Alarm setting range	Adult: SYS 50-250mmHg, DIA 40-170mmHg, Pulse: 30-200bpm Neonate: SYS 30-140mmHg, DIA 20-110mmHg, Pulse: 30-200bpm
SPO2 (Optional)	
Measurement range	40-99%
Accuracy	SPO2: 70-99%, $\pm 2\%$ (Adult), $\pm 3\%$ (Neonate), <70%: unspecified Pulse rate: $\pm 3\%$ (overrides NIBP calculated Pulse when active)
Resolution	1% SPO2
Alarm setting range	40-99%
TEMP (Optional)	
Measurement range	28.9°C – 42.2°C (84.0°F – 108.0°F)
Accuracy (including probe)	Meets ASTM E112-86 "Standard Specification for Electronic Thermometer for Intermittent Determination of Patient Temperature".
Resolution	$\pm 0.1^\circ\text{C}$ ($\pm 0.2^\circ\text{F}$)
Average time constant	Oral: 4 seconds typical / Axillary: 10 seconds typical / Rectal: 15 seconds typical
Alarm setting range	Range: 28.9°C – 42.2°C (84.0°F – 108.0°F)
Printer	24 column thermal printer
PC interface	RS-232 can be connected to a PC
Operating environment	+10°C to +40°C (+50°F to +104°F), less than 85% RH
Storage environment	-20°C to +50°C (-4°F to +122°F), less than 85% RH
Dimensions	166(D) x 216(W) x 194(H) / mm
Weight	Approx 1.4Kg with all options
Safety	Designed and manufactured in accordance with IEC60601-1 / UL60601-1
Certification No.	Device under test - launch date 2017
Country of Origin	United Kingdom
These specifications are subject to change without prior notice for purpose of improvement.	

ACCESSORIES

- Adult cuff
- Large adult cuff
- Child cuff
- Hose Assembly
- AC power adapter
- Printing roll paper
- User manual
- Neonate cuff A,B,C (optional)
- Neonate cuff hose connector (optional)
- SPO2 sensor probe (optional)
- Temperature sensor probe (optional)
- Mobile stand with basket (optional)



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