



STAND-ALONE NON-INVASIVE BLOOD PRESSURE MONITOR

ACCESSORIES

Standard Accessories

Includes adult reusable cuff, cuff pressure hose, power cord, 2 rolls archival paper, paper spindle (Model 8800P), protective cover, and operator's manual

Additional Accessories

A full size range of disposable, reusable and neonatal cuffs; neonatal cuff pressure hose; NIBP calibration test kit; fetal monitor/clinical information system interface cable; and wall mounting bracket; and 2" rolling stand

Add-On Options

Electronic predictive thermometer, tympanic thermometer or pulse oximeter

COLIN 8800 NIBP Monitor

"patient-specific comfort and accuracy..."

Colin's patented NIBP technology delivers maximum patient comfort and accuracy. Smart Inflation[®] automatically sets patient-specific inflation pressures and controls the inflation rate. Dynamic linear deflation measures blood pressure with each pulse for smooth deflation and patient-specific accuracy. Smart Measurement[®] automatically retakes a blood pressure measurement upon alarm violation.

PRODUCT FEATURES

- NIBP - Colin's Patented Dynamic Linear Deflation
- One-Touch Operation
- Portable
- Backlit LCD Display
- Expanded Memory - 400 Lines
- Optional Pulse Oximetry
- Optional Tympanic Thermometry
- Optional E-Temp
- Optional Integrated Printer



Blood Pressure Measurement

Measurement Method	Oscillometric
Modes	Manual, Automatic, & Consecutive (STAT)
Inflation Mode	Diaphragm pump/DC motor
Deflation Method	Dynamic Linear
Pressure Detection	Semiconductor pressure sensor
Intervals	14 intervals from 1 to 180 minutes
STAT Mode	Consecutive measurements for 5 minutes then changes to 5 minute intervals
Auto Zero	Automatic, before each measurement
Determination Time	12 to 40 seconds with quick systolic in consecutive mode
Accuracy	Meets AAMI/ANSI SP10-1992, pulse rate +/- 2 bpm

Cuff Pressures - Adult/Pediatric Mode

Selectable Initial Inflation	From 120 to 240 mmHg in increments of 20 mmHg
Smart Inflation®	Automatically changes to patients-specific need
Automatic Reinflation	50 +/- 10 mmHg over previous systolic
Maximum Cuff Pressure	320 +/- 10 mmHg

Cuff Pressures - Neonatal Mode

Selectable Initial Inflation	80 to 140 mmHg in increments of 20 mmHg Width
Automatic Reinflation	30 +/- 10 mmHg over previous systolic
Maximum Cuff Pressure	150 mmHg

Display Method & Range

NIBP Display Method	LED for current data, clock/elapsed time, low battery, pulse level; backlit LCD for memory and messages	
Display Range	Blood Pressure 10 to 300 mmHg, pulse rate 30 to 240 bpm	
Measurement Range:	<u>Adult/Ped</u>	<u>Neonatal</u>
Systolic	60-250 mmHg	40-130 mmHg
Mean	45-235 mmHg	35-105 mmHg
Diastolic	40-220 mmHg	20-90 mmHg
Pulse	30-200 bpm	40-240 bpm

NIBP Memory

400 measurement semiconductor memory; last four values displayed on LCD; memory maintained for 10 minutes after power off

Printer (Optional)

Printer Method	Thermal
Paper Width	2 1/4" (58 mm)
Print Speed	46 cps
Print Format	Graphic trend; line listing or oscillometric profile printouts

Patient Alarm High/Low Limits

	<u>Low</u>	<u>High</u>
Systolic	20-160 mmHg	60-240 mmHg
Mean	20-120 mmHg	60-200 mmHg
Diastolic	15-120 mmHg	50-180 mmHg
Pulse	40-140 bpm	80-220 bpm

In Adult/Pediatric Mode, Automatic Systolic Falling Alarm at 70 mmHg

Alarm Indications - NIBP Monitor

Audible and visual alarms at power-up, violation of measurement retry, low battery, and system failure. All measurement alarms factory preset to "OFF", subsequent settings held in memory. Audible alarm can be set Off or On. Automatic printout of patient data and graph of oscillations (Model 8800P) when alarm limits are violated. Selectable automatic blood pressure measurement upon alarm violation.

Operating Conditions

NIBP Ambient Temperature	50° - 104° F (10° - 40° C)
Humidity	5%-95%, non-condensing

Storage Conditions

Ambient Temperature	-4° - +122° F (-20° - +50° C)
Humidity	5%-95%, non-condensing

Power Requirements - NIBP Monitor

Input Power	120 VAC +/- 10%, 50/60 Hz
Power Consumption	33 watts
Battery	12 VDC, 2.3 amps/hour, rechargeable sealed lead acid
Battery Life	Up to 4-6 hours at 5 minute interval measurement
Current Leakage	<100 µA

Certification

Conforms to ANSI/AAMI SP10-1992, & IEC 601 Standards. Approved by UL, CSA, and City of Los Angeles Electrical Testing Laboratory

Physical Specifications

Size	(h x w x d): 9.0" x 6.7" (33x19x20cm)
Weight	10.25 lbs (4.6 kg); 10.8 lbs (5.8 kg) with printer
Power Cord	6.5 ft. (2 m), 3-prong hospital grade
Communications	Standard RS 232C



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