



## 90207/90217 Ambulatory Blood Pressure Systems



#### 92506 ABP Report Management System

New software provides fast, easy to interpret graphical summaries that correlate 24-hour BP readings with patients' daily activities as recorded in the diary. The day/night or awake/sleep profile are easily changed according to actual values from the diary.

## 90207/90217/92506 Ambulatory Blood Pressure Systems



*"This ABP monitor gives me the information I need to identify problematic patients, such as those with white-coat hypertension or those who are not responding to medication. Its software produces fast and accurate analyses so I can easily interpret the data to better treat my patients."*

### Clinical Advantage

Fast, accurate results from Spacelabs' ABP system enable you to fine-tune your patients' treatment and better assess their cardiovascular risks. Its reliability has made it the #1 ABP monitor in the world, preferred by physicians and patients alike. Its latest software supports compliance with government requirements for integrity, availability, security and confidentiality of patient health information.

### Innovation

Our proprietary oscillometric algorithm has been proven in over 20 years' use in pediatric, adolescent, adult and elderly patients with a variety of disorders. Its accuracy has been validated by official organizations\* in the US, UK, France and Germany.<sup>5,6</sup> Researchers have selected Spacelabs Healthcare's ABP monitors for more than 500 clinical studies, including the landmark DASH, SYST-Eur and AASK\*\* analyses.

### Value

The cost to treat hypertensive disease in the US is estimated to be \$37.2 billion per year in direct costs, with a total cost of \$50.3 billion.<sup>7</sup> As many as 35% of patients identified as hypertensive by office measurements may actually be normotensive.<sup>2,3</sup> When ABP monitoring identifies those patients with white-coat hypertension, you may be able to spare them the cost and side effects of antihypertensive drugs that may not be needed.<sup>2</sup> Thus, improved diagnostic accuracy could save millions of dollars.

### Simplicity

Patients especially like the monitor's compact design, light weight and quiet operation, so they're more likely to follow your instructions, and you're more likely to get the results you need. The Ultralite™ 90217 is small enough to fit in a shirt pocket. Choose from 5 cuff sizes ranging from child (12-20 cm) to extra-large adult (38-50 cm) for maximum accuracy and comfort.



\* US - Association for the Advancement of Medical Instrumentation (AAMI)  
UK - British Hypertension Society, France - Homologation standards, Germany - PTB, GDT

\*\*DASH - Dietary Approaches to Stop Hypertension  
SYST-Eur - Systolic Hypertension in Europe  
AASK - African American Study of Kidney Disease and Hypertension

## 92506 ABP Report Management System

- Interfaces with 90207 and 90217 ABP monitors
- Software offers quick and simple method of retrieving, displaying, editing and printing ABP data
- Configurable report format
- Enhanced graphics
- Advanced search capability
- Remote communications feature for programming and data retrieval via modem
- Supports e-mail transfer of reports as PDF files
- Supports compliance with FDA electronic records requirements and HIPAA

**ABP Report Management System - [Doe, John]**

View Print Close Report Settings Window Help

Prev Next Close Setting Diary Print

**Patient Information**

First Name: John Last Name: Doe Second Last Name: Patient ID: C010562

Date of Birth: 2/15/1966 Age at the time of reading: 32 Years

Gender: Male Race: Caucasian New/Edit

Weight: 65 Kilograms Height: 171 Centimeters

**Medications:** New/Edit

Medications	Dose	Time	App
Minipress		12:00PM Tue	No
Procan		12:00PM Tue	No
Inderal		12:00PM Tue	No

**Indications:** New/Edit

Suspected Hypertension

**Monitor Date and Time:**

2/17/1998 9:12:00 AM

Duration: 23.33

Successful Reading(s): 42

% Successful Reading(s): 98%

**Monitor Information**

Physician: Jarrah, Alex (alex) Nurse/Technician:

For Help, press F1 Logged in User: Jarrah, Alex (alex)

Patient Report and Demographic information may be easily customized for the individual hospital, office, or other clinical setting. Pull down menu facilitates the insertion of indications and medications. Report provides unlimited space for interpretation commentary.

**ABP Report Management System - [Doe, John]**

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**Overall Summary**

	AVG	STD	MIN	MAX	Dipping
Systolic	160	15.86	129	210	7.6%
Diastolic	92	13.66	75	142	14.5%
MAP	109	14.39	86	146	15.7%
Pulse Pressure	68	14.90	43	116	
Heart Rate	80	7.39	70	108	
Percent of Systolic readings > 125mmHg				100.0%	100.0%
Percent of Diastolic readings > 85mmHg				85.4%	84.9%
Wake Period(s) 06:00am - 10:00pm					
Systolic	165	13.65	155	209	
Diastolic	97	13.09	77	142	
MAP	115	13.95	84	146	
Pulse Pressure	68	15.19	43	104	
Heart Rate	81	7.95	70	108	
Percent of Systolic readings > 125mmHg				100.0%	100.0%
Percent of Diastolic readings > 85mmHg				83.9%	80.1%
Number of Wake Period(s) readings: 31					
Sleep Period(s) 10:00pm - 06:00am					
Systolic	171	19.46	139	210	
Diastolic	83	6.03	75	111	
MAP	97	7.95	86	111	
Pulse Pressure	88	14.71	62	116	
Heart Rate	78	4.88	70	88	
Percent of Systolic readings > 125mmHg				100.0%	100.0%
Percent of Diastolic readings > 75mmHg				90.0%	89.3%
Number of Sleep Period(s) readings: 10					

For Help, press F1 Logged in User: Brown, Charles [Doctor]

Provides a day, night and 24-hour summary for systole, diastole, mean arterial pressure, pulse, heart rate, and nocturnal dipping status. Statistical boundaries for systole and diastole may be easily revised to accommodate the standard desired for the individual patient.



## Which of your patients could benefit from ambulatory BP monitoring?

According to the new JNC VII Guidelines<sup>1</sup>, ambulatory BP monitoring (ABPM) is “warranted” for patients with “white-coat” hypertension – 20 to 35% of patients who are hypertensive in your office may be normotensive at home<sup>2,3</sup>

JNC VII also suggests that ABPM aids in assessing patients who:

- ☐ are not responding to antihypertensive therapy
- ☐ are taking antihypertensive medication and are experiencing symptoms of hypotension
- ☐ have episodic hypertension
- ☐ have autonomic dysfunction

ABPM is a proven, reliable tool:

- ☐ ABPM data correlates better than office measurements with target organ injury<sup>1</sup>
- ☐ ABPM illustrates the extent of BP reduction during sleep; those whose BP doesn’t drop at night are at increased risk for cardiovascular events<sup>1</sup>
- ☐ Recent studies suggest that ABPM data more accurately reflects a patient’s actual BP than casual or in-office BP measurements<sup>2,3</sup>
- ☐ Availability of ABPM data improves the physician’s ability to predict CV risk<sup>3,4</sup>





# ABP Monitors and Accessories

## 2 models assure patient comfort and compliance



### Ultralite™ 90217 monitor

- Small – approximately 1" x 4" x 2 3/4" (2.5 cm x 10 cm x 7 cm)
- Weighs just 9 oz (255 g) including 3 AA batteries



### 90207 monitor

- Compact – approximately 1.1" x 4.5" x 3.4" (2.8 cm x 11.4 cm x 8.6 cm)
- Weighs 12.2 oz (347 g) including 4 AA batteries

## Variety of cuffs assures accuracy



- 1 child size, 4 sizes for adults - small, standard, large, extra-large
- Cuff may be worn over a light shirt or blouse
- Can be easily removed and replaced for dressing and bathing

## 90239A ABP Report Generator/Printer



- Simple, cost-effective way to analyze data from Spacelabs' ABP monitors
- Programs the monitor, analyzes the raw data, assembles data into a report
- Reports include 24-hour day and night summaries of systolic, diastolic, mean arterial pressure, and heart rate

## Ordering Information

MODEL	DESCRIPTION
<b>Monitors</b>	
90207-1Q	ABP Monitor with Cuff, Standard Adult, 24-32 cm
90217-1Q	Ultralite ABP Monitor with Cuff, Standard Adult, 24-32 cm
<b>ABP Report Management Systems</b>	
90121	ABP Report Management System for Windows with remote communication capability for data retrieval and monitor programming via modem
92506	ABP Report Management System, client application with remote communication and enhanced diagnostic capabilities
<b>Report Generator</b>	
90239A	ABP Report Generator/Printer
<b>Cuffs</b>	
015-0118-01Q	Cuff, Child, 12-20 cm
015-0067-01Q	Cuff, Small Adult, 17-26 cm
015-0068-02Q	Cuff, Standard Adult, 24-32 cm
016-0077-01Q	Cuff, Large Adult, 32-42 cm
016-0109-01Q	Cuff, XL Adult, 38-50 cm (includes cuff support harness)
015-0070-00	Cuff Support Harness for all cuffs
<b>Reusable Cuff Wraps</b>	
706-0155-00	Cuff Wrap, Child, 12-20 cm
706-0154-00	Cuff Wrap, Small Adult, 17-26 cm
706-0152-00	Cuff Wrap, Standard Adult, 24-32 cm
706-0153-00	Cuff Wrap, Large Adult, 32-42 cm
706-0151-00	Cuff Wrap, XL Adult, 38-50 cm
<b>Disposable Cuff Covers</b>	
706-0171-00	Single-use Disposable Cuff Covers, Standard Adult, 24-32 cm (box of 50)
706-0172-00	Single-use Disposable Cuff Covers, Large Adult, 32-42 cm (box of 50)
<b>Cables</b>	
012-0097-02	ABP Interface Cable (ABP Monitor to Personal Computer)
012-0096-01	Modem Interface Cable (ABP Monitor to Modem)
040-1546-00	ABP USB Interface Cable
<b>Accessories</b>	
016-0410-00	Pouch, cloth 90207
016-0340-00	Pouch, cloth 90217
016-0080-00	Nylon Web Belt for 90207/90217
016-0262-00	Shoulder Strap for Pouch, cloth 90207/90217
016-0040-00	T-tube Calibration Accessory for 90207/90217
000-0027-02	Patient Diary, each
006-0210-02	Thermal Paper Roll (57 mm), for 90239A Report Generator, 6 rolls/pack

## References

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- O'Brien E, Mee F, Atkins N et al. Accuracy of the Spacelabs 90207 determined by the British Hypertension Society Protocol. J Hypertension 1991;9:573-574.
- American Heart Association. Heart Disease and Stroke Statistics – 2003 Update. Accessed at [www.americanheart.org](http://www.americanheart.org) June 19, 2003.

## *Connecting Innovation with Care*

Spacelabs Healthcare combines a core of the world's most respected medical device and services companies. With offices worldwide and distribution channels in over 100 countries, Spacelabs Healthcare has the talent and resources to deliver on its promises of innovation. We connect the needs of caregivers and their patients with real-life integrated solutions.

In monitoring, we deliver:

- Fast accurate, comprehensive patient data
- Intuitive, easy-to-use monitors
- Access to monitoring information anytime, anywhere
- Flexible and scalable open-system technology platforms

For more information, contact your local Spacelabs representative or go to [www.spacelabshealthcare.com](http://www.spacelabshealthcare.com).