

# A&D

*Advanced technology for health professionals*



## Ambulatory Blood Pressure Monitor Model TM-2430



A portable unit designed to regularly measure patient blood pressure and heart rate at work and at home.

The A&D Medical Ambulatory Blood Pressure Monitoring System (ABPM) allows health care professionals to automatically monitor a patient's blood pressure throughout the day. ABPM therapy can help differentiate hypertension from white coat hypertension and the data generated can be used to adjust patient medication levels. This compact monitor has sophisticated tracking capabilities to measure blood pressure and pulse trends.

The A&D Medical ABPM is available in two configurations. The TM-2430-DP is recommended for health care professionals with a personal computer. This model is equipped with *Doctor Pro*<sup>TM</sup> software which enables a professional to download, track and graph blood pressure and heart rate data in summary reports. The software can also perform Histogram and Correlation analyses. (Histogram analyses include systolic, diastolic and pulse rate. Correlation analyses include systolic vs. diastolic and systolic vs. pulse rate). Health care professionals who do not use a personal computer can order the basic configuration (TM-2430) plus the optional printer (TM-2480) and get a printed record of blood pressure and heart rates.

- **Easy to Use**  
*(sets up in minutes)*
- **Professional Accuracy**
- **Downloadable Data**  
*(software required)*
- **Multiple Cuff Sizes**  
*(accommodates most patients)*
- **Quiet Operation**
- **Lightweight**
- **Utilizes Oscillometric Technology**



# A&D Medical Ambulatory Blood Pressure Monitor

## Technical Specifications

### Ambulatory Blood Pressure Monitor (TM-2430)

Measurement Method	Oscillometric
Pressurization	Internal micro pump
Display Range	0-320mmHg
Measurement Range	Systolic 60-280mmHg (min. division: 1mmHg) Diastolic 40-160mmHg (min. division: 1mmHg) Pulse 30-200bpm (min. division: 1bpm)
Accuracy	Pressure $\pm 3$ mmHg or $\pm 2\%$ measurement, whichever is greater Pulse Rate $\pm 5\%$
Clock Display	24-hour (1997-2096 & auto leap year setting)
Memory Capacity	300 measurements maximum
Power Source	Three AA Alkaline or NiCd (Batteries not included)
Temperature & Humidity Range	Operation 50°F to 104°F (10°C to 40°C), less than 85% RH Storage and Transportation -4°F to 131°F (-20°C to 55°C), less than 95% RH
Dimensions	2.8(w) x 1.1(h) x 3.9(d) inches 72(w) x 27(h) x 100(d) mm
Weight	0.5 lbs (215g)
Data Output	RS-232C (direct)
Cuffs	Adult Cuff, Left Arm (7.9"-12.2" (20-31cm)) included (TM-2430-06) Large Cuff, Left Arm (11"-14.2" (28-36cm)) optional* (TM-2430-02) Small Cuff, Left Arm (5.9"-8.7" (15-22cm)) optional (TM-2430-07) Adult Cuff, Right Arm (7.9"-12.2" (20-31cm)) optional (TM-2430-09) Large Cuff, Right Arm (11"-14.2" (28-36cm)) optional (TM-2430-12) <i>* included in the TM-2430-DP package</i>

### Doctor Pro™ Software (TM-2430-13)

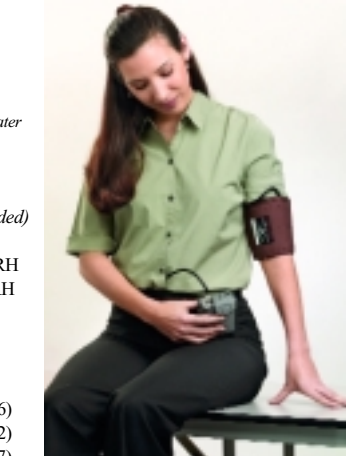
Doctor Pro software is included in the TM-2430-DP package.

#### HARDWARE REQUIREMENTS

CPU	Intel 80486DX/equivalent or higher
RAM	16MB Min.
Operating System	Windows® 95, 98, 2000, ME, XP
Monitor	SVGA (800 X 600 dots), 256 colors or more
Peripherals	3.5"/1.44MB floppy disk drive
Hard Disk	1.5 MB Min.
Serial Port	Standard RS-232C Port
Printer	Printers supported by Microsoft® Windows® Operating System

### Printer Terminal (TM-2480)

Power Source	AC adapter or six LR-06 (AA) alkaline batteries (Batteries not included)
Power Consumption	Max 9.6W
Display	LCD
Printer	Serial thermal dot matrix
Printing Speed	1 line/second (approx)
Paper Size	2.2(w) x 2.0(dia) inches 56(w) x 50(dia) mm
Communication	E1ARS-232C
Operating Temperature	50°F to 104°F (10°C to 40°C)
Storage Temperature	14°F to 131°F (-10°C to 55°C)
Dimensions	8.7(w) x 3.3(h) x 5.1(d) inches 220(w) x 85(h) x 130(d) mm
Weight	1.2 lbs (530g)



The TM-2430 ABPM is a portable and lightweight unit with a carrying case that can attach to a belt



TM-2480 Printer with TM-2430 ABPM

### Data Output

	Doctor Pro Software	Printer Terminal
Tabular Data Output	•	•
Trends and Graphs	•	•
Histograms	•	
Correlation	•	
Standard Deviation	•	•
Custom Summary Reports	•	
Patient Record Data	•	

*“The A&D TM-2430 monitor performed with good accuracy and precision according to the BHS protocol in the present study, insofar as it achieved grade A for systolic blood pressure and for diastolic blood pressure...In the present study the TM-2430 device proved accurate across the whole range of age and blood pressure level, and its performance did not vary according to sex.”*

*Palatini et. al.  
Blood Pressure Monitoring  
Vol. 3 No. 4, 1998*

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