

# Ambulatory Blood Pressure Monitor

Model: TM-2440 / TM-2441 (ISO / IEC 80369 supported)

## TM-2440

A&D's TM-2440 is an entry-level model designed for ABPM measurement. Its compact body simplifies the monitoring of research participants. It comes standard with an Irregular Heartbeat (IHB) function which detects pulse irregularities and it can check waveforms easily via analysis software (included).



## TM-2441

TM-2441 can process five types of self-measurement while recording environmental data (temperature, pressure, activity) through a multi-sensor. It is an "All-in-One" model that covers any environment, from the doctor's office to home. Pulse data during BP measurement is recorded in the device, with analysis software (included) providing the precise waveform. Viewing this data improves the accuracy of BP measurements and helps to verify irregular pulse waves.



### Self Measurement Mode Displays

This large display shows data from measurements in self-measurement mode. You can easily check the time until the next ABPM measurement in addition to values in self-measurement mode. There are also icons for battery level, Bluetooth status, IHB detection, clock, mode and memory status.



### For only TM-2441

- Self-measurement
  - OBP : Office Blood Pressure
  - AOBP : Automated Office Blood Pressure
  - HBP : Home Blood Pressure
  - ANBP : Automated Night Blood Pressure
  - ASBP : Automated Self Blood Pressure
- BLE Connectivity (SDK available for Medical Developer)

### General Specifications

- 24-hour ambulatory blood pressure monitoring
- Lightweight & compact size
- OLED display
- Pulse correction algorithm for faster measurement & noise rejection
- Battery powered (2 alkaline or Ni-MH "AA")
- Output of data to analysis software (included with device)
- USB connectivity
- Ingress protection IP22
- Protocol ISO81060-2:2013

### International Standards (ISO/IEC 80369 Series) Compliance

International standards (ISO [IEC] 80369 series) related to connectors have been established to prevent interconnection across product areas of medical devices, etc. A&D has launched connectors and plugs that comply with the international standard. Since there is no compatibility between old and new plugs, please check the models thoroughly before purchasing.

## Specifications

	TM-2440	TM-2441
<b>Measurement Method</b>	Oscillometric	
<b>Pressure Display Range</b>	0 to 299 mmHg (299 mmHg or more is not shown)	
<b>Measurement Range</b>	SYS: 60 mmHg to 280 mmHg / DIA: 30 mmHg to 160 mmHg / Pulse: 30 bpm to 200 bpm	
<b>Measurement Accuracy</b>	Pressure: $\pm 3$ mmHg / Pulse: $\pm 5$ %	
<b>Pressure Detection Method</b>	Semiconductor Pressure Sensor	
<b>Interval Setting</b>	24 hours can be divided into a max. of 6 parts. Interval: OFF, 5, 10, 15, 20, 30, 60, 120 minutes	
<b>Measurement Count</b>	200 times or more. Varies due to measurement conditions.	
<b>Memory Data</b>	600 data max	
<b>Clock</b>	24 hours clock	
<b>Power Source</b>	2 x 1.5V batteries (LR6 or AA size) / Alkaline or Ni-MH battery 1900 mAh or more Backup battery for built-in clock : Lithium rechargeable coin cell battery ML2016	
<b>Interface</b>	USB : USB1.1 compliant. Cable length : 1.5 m or shorter Micro-USB B type terminal can connect to dedicated peripheral (using standard driver software).	USB : USB1.1 compliant. Cable length : 1.5 m or shorter Micro-USB B type terminal can connect to dedicated peripheral (using standard driver software). Bluetooth Ver.4.1 (BLE) : Wireless device can be connected. SDK available for Medical Developer
<b>Operating Conditions</b>	10 °C to 40 °C / 30 %RH to 85 %RH (no condensing) / 700 hPa to 1060 hPa	
<b>Outer Dimensions (W) x (D) x (H)</b>	66 x 24.5 x 95 mm	
<b>Weight</b>	120 g (Unit without Batteries)	135 g (Unit without Batteries)

## Optional Accessories

Product Code	Option Name
TM-CF202D	Small cuff for left arm (15 cm ~ 22 cm)
TM-CF302D	Adult cuff for left arm (20 cm ~ 31 cm)
TM-CF402D	Large cuff for left arm (28 cm ~ 38 cm)
TM-CF502D	Extra large cuff for left arm (36 cm ~ 50 cm)
TM-CF802D	Adult cuff for right arm (20 cm ~ 31 cm)
TM-CF306A	Disposable cuff (10 sheets)
AX-133024667-S	Small cuff cover for left arm (10 sheets)
AX-133024500-S	Adult cuff cover for left arm (10 sheets)
AX-133024663-S	Large cuff cover for left arm (10 sheets)
AX-133024503-S	Extra large cuff cover for left arm (10 sheets)
AX-133024353-S	Adult cuff cover for right arm (10 sheets)
AX-133039854-S	Small cuff cloth for left arm (2 sheets)
AX-133039658-S	Adult cuff cloth for left arm (2 sheets)
AX-133039855-S	Large cuff cloth for left arm (2 sheets)
AX-133039856-S	Extra large cloth for left arm (2 sheets)
AX-133039857-S	Adult cuff cloth for right arm (2 sheets)
AX-133025995	Carrying holder
AX-110B-20-S	Clips (5 pieces)

## What is In The Box

- 1 Blood Pressure Monitor
- 1 Adult Cuff / Cover (20 cm ~ 31 cm)
- 1 Large Cuff / Cover (28 cm ~ 38 cm) \*
- 1 Software
- 1 Carrying Holder / Accessory Belt
- 1 Clip
- 1 USB cable
- 1 Instruction manual
- 10 Activity Record Sheets

\* TM-2441only

## ABPM Data Manager (Included with every unit)

### Multi sensor data as well as BP data

An easy-to-use software platform to track, trend, and report the data generated by A&D Medical's Ambulatory Blood Pressure Monitors.



### Waveform data recording and displaying

The TM-244x series records blood pressure as an oscillometric waveform. With our ABPM data manager software you can check the waveform record for each measurement. Quickly determine the accuracy of measured values.

### System Requirements

CPU	: 1GHz or higher
Memory	: 2GB or more
OS	: Windows 10 64-bit or higher
SVGA	: 800 x 600 pixels or more
Disk	: DVD-R
HDD	: Available space of 24GB

Specifications may differ in each country.  
Please contact A&D subsidiary for more information



A&D Company Limited.(JAPAN)  
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