A&D Medical

Ambulatory Blood Pressure Monitors

"Designed by clinicians for clinicians"

AFib+ SCREENING

Clinically Validated

TM-2441

TM-2440

The TM-2441 and TM-2440 are clinically validated, and have been designed to meet the new ESH 2018 guidelines.

The TM-2441 is even capable of providing additional supporting data for the clinician - this includes air temperature, atmospheric pressure and activity tracking using A&D's unique PatientView360™ technology.

Being amongst the smallest and lightest Ambulatory Monitors available, the TM-2441 and TM-2440 are designed with the patient in mind.

With a focus on stroke prevention, these new models also benefit from A&D's unique AFib+™ and SmartCheck™ technologies enabling screening for Atrial Fibrillation in a single reading.

Product Features		TM-2440	TM-2441
External Dimensions	• W x H x D (mm)	660 × 245 × 950	660 × 245 × 950
Weight	• Without batteries	120g	135g
Power Supply	• Alkaline or Ni-MH "AA" batteries	2x LR6("AA")	2x LR6("AA")
Memory Data	• Number of datasets	600	600
BP Measurement Function	• ABPM • Self-Measurement	✓	✓ ✓
AFib+™	• Irregular Heart Beat and AFib screening technology	✓	✓
Smartcheck™	• AFib screening in a single reading	✓	✓
PatientView360™	• Multi-sensor technology providing clinicians with activity, air temperature and atmospheric pressure data		✓
Record Pulse wave	• Use analysis software	✓	✓
Data communication	• USB1.1 compliant • Bluetooth (SDK available for System Integration)	✓	✓ ✓
Display	• LCD: Self -BP measurement display • OLED: ABPM display	✓	✓ ✓
Operation	• Auto measurement mode slide switch • Sleep, Auto Start Stop SW	✓(Sleep)	✓ ✓
Clinical trial	• ISO 81060-2:2013	✓	✓

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TM-2441

Clinically Validated

CE 0123

The TM-2441 sets the new standard for ambulatory blood pressure monitoring, and comes with an impressive range of new features.

- 24-hour ambulatory blood pressure monitoring
- AFib+™ - A&D's screening technology for Atrial Fibrillation and IHB
- SmartCheck™ - The ability to screen for Atrial Fibrillation in a single reading.
- PatientView360™ - The ability to provide clinicians with improved levels of information about the patient and the environment. This includes the recording of air temperature, patient activity and atmospheric air pressure data.
- Easy to use mode slide switch
- New pulse correction algorithm for faster measurement & noise rejection
- Battery Power (2 alkaline or Ni-Cd "AA")
- Output to data to analysis software (included with device)
- USB & BLE[2] Connectivity
- Ingress protection IP22
- Protocol ISO810601

▼Self measurement mode displays

LED display: 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, AFib/IHB detection, clock, mode and memory status.

TM-2440

Clinically Validated

CE 0123

A&D's TM-2440 is an entry-level model designed for ABPM measurement and comes with AFib+™ as standard.

- 24-hour ambulatory blood pressure monitoring
- AFib+™ - A&D's screening technology for Atrial Fibrillation and IHB
- SmartCheck™ - The ability to screen for Atrial Fibrillation in a single reading
- Light weight & compact size
  120g*, 660 (w) x 245 (h) x 950 (d) mm *Without batteries
- OLED display (ABPM mode)
- New pulse correction algorithm for faster measurement & noise rejection
- Battery powered (2 alkaline or Ni-Cd "AA")
- Output of data to analysis software (included with device)
- USB connectivity
- Ingress protection IP22
- Protocol ISO810601

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1) Hypertension CANADA
2) SDK available for system integration

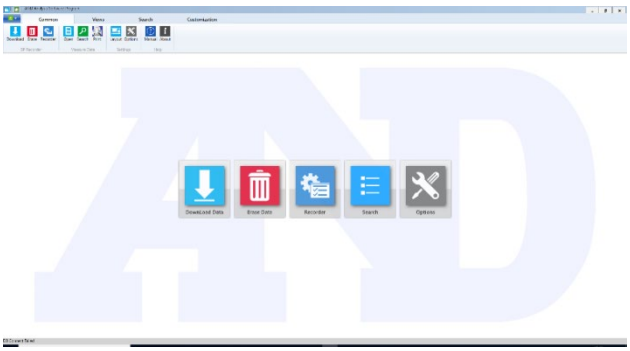
Analysis Software

▸ PatientView360™ multi-sensor data analysis with updated A&D software

The newly designed software can analyze environmental data collected by the multi-sensor in addition to ABPM measurement data. Using A&D's new PatientView360™ technology, temperature, pressure and activity can be tracked alongside blood pressure. *

▸ Recording and displaying waveform data

Both the TM-2440 and TM-2441 record blood pressure as an oscillometric waveform. With our new analysis software you can check the waveform record for each measurement. Quickly determine the accuracy of measured values.



* TM-2441 only

▸ System Requirements

Computer CPU: 1GHz or higher processor
Memory: 1GB or more (x86), 2GB or more (x64)
Operation System (recommended):
- Windows 10 (x86/x64)
- Windows 8 (x86), Windows 7 (x86/x64)

SVGA: Recommended 800 × 600 pixels or more
Disk: CD drive (drive corresponding to enclosed media)
Hard disk: Available space of 16GB or more (x86),
Available space of 24GB (x64)
Printer: Environment in which XPS format files can be printed

Accessories

Options

TM-CF502A	Extra large cuff for left arm (36-50cm)
TM-CF402A	Large cuff for left arm (28-38cm)
TM-CF302A	Adult cuff for left arm (20-31cm)
TM-CF202A	Small cuff for left arm (15-22cm)
TM-CF802A	Adult cuff for right arm (20-31cm)
TM-CF306A	Disposable cuff (10 sheets)
AX-133024503-S	Extra large cuff cover for left arm (10 sheets)
AX-133024663-S	Large cuff cover for left arm (10 sheets)
AX-133024500-S	Adult cuff cover for left arm (10 sheets)
AX-133024667-S	Small cuff cover for left arm (10 sheets)
AX-133024353-S	Adult cuff cover for right arm (10 sheets)
AX-133025103-S	Extra large cloth for left arm (2 sheets)
AX-133025102-S	Large cuff cloth for left arm (2 sheets)
AX-133024487-S	Adult cuff cloth for left arm (2 sheets)
AX-133025101-S	Small cuff cloth for left arm (2 sheets)
AX-133025104-S	Adult cuff cloth for right arm (2 sheets)
AX-133025995	Carrying holder
AX-110B-20-S	Clips (5 pieces)

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Specifications

	TM-2440	TM-2441
Measurement Method	Oscillometric measurement method	
Pressure detection method	Semiconductor pressure sensor	
Pressure display range	0 to 299 mmHg (299 mmHg or more is hidden)	
Measurement accuracy	Pressure: ±3 mmHg Pulse rate: ±5 %	
Minimum display division	Pressure: 1 mmHg Pulse rate: 1 beat / minute	
Measurement range	Systolic pressure: 60 to 280 mmHg Diastolic pressure: 30 to 160 mmHg Pulse rate: 30 to 200 beat / minute	
Pressurization method	Micro pump	
Automatic pressurization	85 to 299 mmHg	
Interval Setting	Intervals at each section which divides 24 hours to six parts at the maximum. Interval: OFF, 5, 10, 15, 20, 30, 60, 120 minutes	
Display	A-BPM: OLED, 96 x 39 pixels, white characters	A-BPM: OLED, 96 x 39 pixels, white characters S-BPM: LCD, 40 x 50 mm, Display
Clock	24 hour clock	
Measurement count	200 times or more, varying due to measurement conditions	
Memory Data	600 data max	
Power supply	With the same type of batteries: 2 x 1.5V batteries (LR6 or AA size) Alkaline battery or Nickel-hydrogen battery (Ni-MH) 1900 mAh or more Backup battery for built-in clock: Lithium rechargeable coin cell battery ML2016	
Rated voltage	DC 2.4 V and DC 3.0 V	
Interface	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 system integration*
Operating condition	Temperature: +10 to +40ºC Humidity: 30 to 85 %RH (no condensation)	
Atmospheric pressure both for operation and storage condition	700 to 1060 hPa	
External Dimensions	Approx. 660 (w) x 245 (h) x 950 (d) mm	
Weight	Approx. 120 g (excluding batteries)	Approx. 135 g (excluding batteries)