

# CONTEC

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# Ambulatory Blood Pressure Monitor

## ABPM50

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# Ambulatory Blood Pressure Monitor

## ABPM50



ABPM50 is a handheld ambulatory blood pressure monitor, which is designed according to oscillography theory. The device could monitor human body blood pressure up to 24 hours continuously and dynamically, providing accurate basis for the diagnosis. It is applicable for using in hospital, clinic and other medical institutions.

## Features

### Product features:

- Compact and portable, user-friendly interface, easy to use.
- Patient range: adult, pediatric, neonate.
- 24 hours ambulatory NIBP monitoring function, up to 350 groups of ambulatory NIBP data can be recorded for once.
- Perfect combination of automatic and manual measurement method, up to 300 groups of data can be recorded for once by manual measure.
- High-definition color TFT display, strong visibility.
- By data review interface such as "data list", "trend graph", "big font", NIBP data is clear at a glance.
- Display of low power prompt, error message and time.
- Supply two kinds of unit: mmHg / kPa.
- Display interface can be switched between Chinese and English.
- Over-limit prompt function for parameters.
- Communicate with PC, PC software can achieve data review, measured results analysis, view of trend graph, reports printing and other functions.

### Software features:

- Connect to the device by USB interface.
- Download NIBP measure result from the terminal device.
- Display of scoop-shape trend graph, filling-type trend graph, histogram, pie chart, correlation line graph.
- Edit every piece of NIBP data, and add annotation to it.
- Edit basic information, doctor's advice, NIBP status instruction, current medicine-taken information, etc.
- Support report printing and print preview.

## Accessories

- Cuff for adult 1pc
- User manual 1pc
- Pack 1pc
- PC software 1pc
- USB data line 1pc

## Performance

### NIBP:

- Measure Method: Oscillometry
- Measure Mode: The upper arm measure
- Automatic Measure Interval: 15, 20, 30, 40, 60, 90, 120, 180, 240 minutes
- Measure range: Pressure: 0kPa (0mmHg)~38.67kPa (290mmHg)
- Resolution: 1mmHg
- Accuracy:  $\pm 3$ mmHg
- Prompt parameter: SYS, DIA
- Inflation: automatic inflation by force pump
- Deflation: automatic multistep deflation

### PR:

- Measure range: 40bpm ~ 240bpm
- Resolution: 1bpm

### Safety:

- Power supply: DC 3V (2×1.5V AA alkaline dry battery)
- Safety type: internally powered device, type BF applied part with defibrillation protection

## Physical characteristic

- Dimension: 128mm(L) × 69mm(W) × 36mm(H) (without packaging)
- Weight: <300 g (with battery)

### Operational environment:

- Temperature: 5 °C ~ 40°C
- Relative humidity: 15% ~ 85%
- Atmospheric pressure: 700hPa ~ 1060hPa

Specific EMC, climate, mechanical environment: Do not use a mobile phone in the vicinity of the device, for the strong radiation field produced by mobile phone would interfere with the normal function of use.

### Storage environment:

- Temperature: -20°C ~ +55°C
- Relative humidity:  $\leq 95$  %

Specific EMC, climate, mechanical environment: The device after packaged should be stored in an environment of -20°C ~ +55°C, relative humidity no more than 95%, and well-ventilated room with no corrosive gas. Strong shock, vibration and snow and rain should be avoided during transportation.