

AMBULATORY 24 HOURS BLOOD PRESSURE MONITOR

Ref.: 0803846

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



The ABPM 0803846 is a handhold ambulatory blood pressure monitor, which is designed according to oscillometry theory. The device could monitor human body blood pressure for up to 24 hours continuously and dynamically, providing an accurate basis for the diagnosis. It is applicable for using in hospital, clinic and other medical institutions.

Performance

NIBP:

- **Measure Method:** Oscillometry
- **Measure Mode:** The upper arm measure
- **Automatic Measure Interval:** 5, 10, 15, 20, 30, 40, 60, 90, 120, 180, 240 minutes
- **Measure range:** Pressure: 0kPa (0mmHg) -39.6kPa (297mmHg)
- **Resolution:** 1mmHg
- **Accuracy:** ±3mmHg
- **Prompt parameter:** SYS, DIA
- **Inflation:** automatic inflation by force pump
- **Deflation:** automatic 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

General Characteristics:

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:** ≤95%

Specific EMC, climate, mechanical environment: The device after packaged should be stored in a 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.

Features:

Product features:

- Compact and portable, user-friendly interface, easy to use.
- Patient range: adult, pediatric, neonate.
- 24-hour 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.
- English menu.
- 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 device.
- Display of scoop-shape trend graph, filling-type trend graph, histo- gram, 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.

Package included

- Cuff for adult
- BP extending tube
- Usb cable
- User manual

PULSE OXIMETER

Ref.: 0803847



Pulse rate



SpO₂



Easy to operate



AC/DC power supply



Accurate and efficient



Low power consumption



Dimension: 159 mm(L) x 72 mm(W) x 31mm(H)
Weight: about 250 g (including battery)

The Pulse Oximeter 0803847 adopts Photoelectric Oxyhemoglobin inspection Technology integrated with Capacity Pulse Scanning & Recording Technology, which can be used to measure human oxygen saturation and pulse rate through finger. The device is suitable for use in family, hospital, oxygen bar, community healthcare and physical care in sports, etc.

Performance

- **Display mode:** 2.8" color screen
- **Screen resolution:** 240*320
- **SpO₂, measurement range:** 0%~ 100 % (resolution: 1%)
Accuracy: 70%~100%: ±2% 0~69%: unspecified
- **PR measurement range:** 30 bpm ~ 250 bpm (resolution: 1 bpm)
Accuracy: ±2 bpm during the pulse rate range of 30 bpm~ 99 bpm
 and ±2% during the pulse rate range of 100 bpm ~ 250 bpm.
- **Pi (selection function) measurement range:** 0% ~20%
Accuracy: 1%~ 20%, allowable absolute error: ±1%, 0% ~ 0.9%, allowable absolute error: ± 0.2%
- **Accuracy under low perfusion:** low perfusion 0.4%, SpO₂, accuracy: ±4%, PR accuracy: ±2 bpm during the pulse rate range of 30 bpm-99 bpm and ±2% during the pulse rate range of 100 bpm ~ 250 bpm.
- **Light interference:** compared to the values measured in normal condition and ambient light condition, the deviation: ≤±1%
- **Power consumption:** ≤0.84Watt
- **Working voltage:** DC 3.3V-4.2V
- **Battery:** A rechargeable built-in lithium battery, after the power failure of the equipment, the battery can continue to work.
- **Battery life:** Charging and discharging not less than 500 times.
- **Safety class:** Class II, type BF applied part

Features

- Display of SpO₂, value
- Display of pulse rate value and bar graph
- Display of pulse waveform
- Display of PI value (selection function)
- English menu
- With function menu
- Clock function
- Review function
- Code lock protection alarm function
- Alarm function (Finger out or out of limit)
- Battery power indication, Ultra-low power warning function
- Adjustable screen brightness
- Adjustable sound volume
- Restore factory Settings
- Storage function for SpO₂, and PR values, and data stored can be uploaded to PC
- Real-time data can be uploaded to PC
- External SpO₂, probe can be connected

Package included

- Usb cable
- SpO₂ sensor
- User manual

ELECTROCARDIOGRAPH 12 CHANNEL

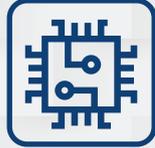
Ref.: 0803840



12-Lead ECG



High-resolution
 color display



Large-volume
 storage



Accurate in
 measurement



Full display



Professional



Dimensions: 340mm(L) x 320mm(W) x 86mm(H)
Net weight: 5Kg

The device is an electrocardiograph which can collect 12-lead ECG signal simultaneously and print ECG waveform with thermal printing system. It features in, recording and displaying ECG waveform in auto/manual mode, measuring, analyzing and diagnosing ECG waveform parameters automatically, prompting for "Lead off" and "Lack of paper", English menu, built-in lithium battery, AC/DC, selecting rhythm lead freely to observe abnormal heart rhythm, case database management.

Functions

- Adopt 10.1" high-resolution color LCD, operate by full-touch screen and function buttons, convenient to use.
- Sync collection for 12-lead ECG, support 12-lead and Cabrera-lead waveform display. Get high-quality ECG waveform via power frequency filter (50/60 Hz), baseline filter and EMG filter (25/35 Hz) of ECG signal.
- Display 3/6/12-lead ECG waveform, HR value, print mode, sensitivity, paper speed, filter state, clock, battery power, background grid, measured parameter and interpretation, etc. on one screen, and with prompt functions for lead-off, overload and system working state.
- **Power supply:** AC / DC (which can adapt AC 50/60Hz), with built-in rechargeable lithium battery, charging circuit, perfect over-current and over-voltage protection circuit.
- In optimal DC state, up to 10-hour standby time, continuous print for more than 3-hour, which meets the requirements of visiting a patient at home and body examination.
- English operating interface, the report can be printed, built-in virtual keyboard.
- Built-in thermal printer, support multiple printing modes and formats, such as, auto M x N, M x N+1, M x N + 2, rhythm M line and manual, etc. The contents including time, paper speed, sensitivity, calibration signal, lead name, filter state and patient information can be printed. The waveform length printed, measurement parameter output, diagnosis conclusion, superimposed QRS waveform, histogram, trend chart and interval list, etc. can be set. With the print functions (timing print and

- auto-print for arrhythmia, etc.), which meet different requirements.
- With the functions of auto-measurement and auto interpretation for routine ECG parameters, provide measured results and auto-diagnosis conclusions for HR, PR interval, P Duration, QRS Duration, QT/QTc interval, P/QRS/T Axis, R (V5), S (V1), R (V5) + S (V1) amplitude, etc. which reduces the doctor's burden.
- Built-in memory stores 4000 cases (data saving time: 10 s) at least, convenient for case review and statistics.
- Historical cases can be reviewed, inquired, modified, transmitted, printed, lead corrected, the cases can also be exported to other electronic file formats (dat, pdf, xml, bmp, jpeg, etc.)
- Support external USB standard keyboard, mouse, scanner and Printer

Package included

- Patches
- Limb electrodes
- ECG lead cable
- Potential equalization wire
- Power cord
- Printer paper
- User manual

MESH NEBULIZER

Ref.: 0803845



Small in
particle size



Compact
and convenient
to carry



One-Button
operation



Low Noise



High nebulization
rate



Automatic
power off



Dimension: 67.42 mm(L) × 48.53 mm(W) × 116.92 mm(H)
Weight: about 0.1kg

The device forms nebulizing effect by the following actions, the high-frequency vibration of piezoelectric ceramic piece leads to the deformation of micro plate, so that the liquid in contact with the micro plate is atomized. It is powered by a 5 V power adapter or a 3.7 V lithium battery, with the advantages of compact and portable design, easy to use, adjustable (two grades) and high in nebulization rate, which is applicable for use in hospitals, clinic and family.

Performance

- Median particle diameter (D 0.50): 1–4 μ m (\pm 25%)
- Equivalent volume particle diameter distribution: the proportion of particle diameter below 5 μ m is not less than 60%
- Input power: < 5 VA
- Nebulization rate:**
- Grade I: 0.25 mL/min;
- Grade II: \geq 0.15 mL/min
- Cup capacity: 10 mL
- Liquid volume: 2~ 10 mL
- Residual volume: \leq 0.3 mL
- Noise: \leq 50 dB (A)
- Working frequency: 110 KHz \pm 10%
- Power supply: DC 5V or 3.7 V rechargeable lithium battery
- Safety class: class II equipment, type BF applied part
- The degree of waterproof and dustproof: IP22
- Mode of operation: continuous operation

Features

- One-button operation
- Liquid nebulization function
- Power indication function
- Low-battery indication function
- Automatic shutdown without liquid
- Adjustable nebulization rate
- Charging function

Operating environment

- Temperature: 5 $^{\circ}$ C ~ 40 $^{\circ}$ C
- Relative humidity: 15%-90%
- Atmospheric pressure: 700 hPa ~ 1060 hPa

Package included

- Usb cable
- Adult mask
- Child mask
- User manual

PATIENT MONITOR WITH PRINTER

Ref.: 0803834



HR analysis



Fanless design



Multi-language interface



Display 7-lead ECG on one screen



Adjustable volume



Waveform review



Dimension: 319mm(L) x 167mm(W) x 268mm(H)
Weight: < 3kg (excluding accessories)

The monitor has abundant functions that can be used for clinical monitoring with adult, pediatric and neonate. Users may select different parameter configuration according to different requirements. The monitor, power supplied by 100–240V~, 50/60Hz, adopts 12.1" color TFT LCD displaying real-time, date and waveform. It can synchronously display eight-channel waveform and full monitoring parameters equipped with an optional 48mm thermal recorder. The monitor can be connected to the central monitoring system via wire or wireless network to form a network monitoring system.

This device can monitor such parameters as ECG, RESP, NIBP/IBP, SpO₂, and dual-channel TEMP, etc. It integrates parameter measurement module, display and recorder in one device to form compact and portable equipment. Its replaceable internal battery brings lot of convenient for patient moving.

Features

- 12.1" TFT color LCD
- Fanless design, quiet, energy-saving and clean, which reduces the possibility of cross-infection
- All-round monitor for adults, pediatric and neonate
- With standard interface, oxygen graph, trend graph, big character interface and view bed, convenient to observe
- Finish all operations with keys and knobs
- Maximum 8-channel waveform synchronous display
- Display 7-lead ECG waveform on one screen, cascade ECG wave- form display
- Adopt digital SpO₂ technology, anti-motion and anti-ambient light interference, and measurement can be performed under the circumstance of weak filling
- Heart rate variability (HRV) analysis function
- **NIBP measurement mode:** Manual/AUTO/STAT, storage for 4800-group NIBP data
- Review for 71 alarm events of all parameters and 60 arrhythmia alarm events
- Drug concentration calculation and titration table functions
- One-touch printing of trend graph Connect to Central Monitoring System by 3G, Wi-Fi or wired mode
- AC/DC, built-in rechargeable lithium battery achieves uninterrupted monitoring, autonomy of the battery: up to 3hours
- Anti-high frequency surgical unit, defibrillation-proof (special leads are necessary)

Functions

Standard parameters:

ECG, RESP, SpO₂, PR, NIBP, dual-channel TEMP

- **ECG:**
 - Heart rate (HR)
 - ECG waveform
 - Arrhythmia and ST-segment analysis
 - Plethysmogram (PLETH) waveform
 - Pulse rate (PR)
 - Bar graph
- **RESP:**
 - Respiration rate (RR)
 - Respiration waveform
- **SpO₂:**
 - Oxygen saturation (SpO₂)
- **IBP (optional):**
 - CH1: SYS, DIA, MAP
 - CH2: SYS, DIA, MAP
 - IBP waveform
- **CO₂ (optional):**
 - ELCO₂, InsCO₂ Inspired
 - Minimum CO₂,
 - AwRR: Air Way Respiration

It has abundant functions, such as audible and visual alarm, trend data storage and output, NIBP measurement, alarm event marking and drug concentration calculation, etc.

Package included

- Pads ECG electrodes
- ECG cable
- SpO₂ Sensor
- Airway tube
- Cuff
- Temperature sensor

SLEEP APNEA SCREEN METER

Ref.: 0803843



Dimension: 69(L) x 50(W) x 17.3(H)mm
Weight: about 100g

The product is suitable for sleep breathing, SpO₂ monitoring. Suitable for family, community medical institutions and hospitals.

Performance

- **Nose air flow measurement range:** 0~40 rpm, accuracy: ± 2 rpm.
- **SpO₂ measurement range:** 0~100% (resolution 1%), accuracy: 70~100%, ± 2 ; Less than 70%, unspecified.
- **PR measurement range:** 30~250 bpm, accuracy: ± 2 or $\pm 2\%$ (whichever is greater).
- **Resistance to surrounding light:** The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than $\pm 1\%$.
- **Accuracy under low perfusion:** low perfusion 0.4%, SpO₂ accuracy: $\pm 4\%$; PR accuracy ± 2 bpm or $\pm 2\%$, whichever is greater.
- **Power consumption:** ≤ 100 mA
- **Power supply:** 3.7V rechargeable lithium battery.
- **Safety type:** internally powered equipment, type BF applied part.

Features

- SpO₂ and PR value display, pulse sound and bar graph indication.
- Pulse waveform and nose flow waveform display
- Alarms for low power
- Figer out and exceeding limits
- Battery status indication
- Real-time clock
- Timing power on/off
- Storage of multiple cases
- Continuous 12 hours data record
- Uploading data via USV port
- PC analysis software

Package included

- Usb cable
- Nasal cannula
- 2x Cannula adaptor
- 2x SpO₂ sensor (Adult & Pediatric)
- User manual

ECG HOLTER 12 CHANNEL

Ref.: 0803844



Real time monitoring



Portable design



Anti-interference and anti-vibration



12-Lead ECG



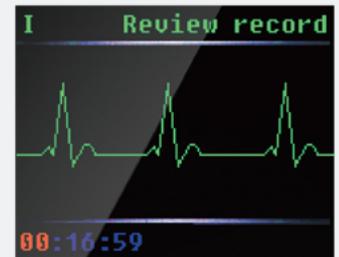
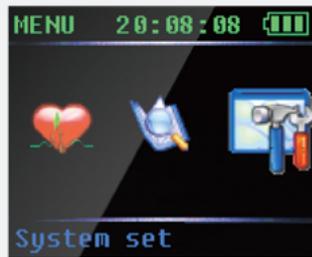
One-Key print



Pacemaker analysis



Dimension: 111(L) x 61(W) x 25(H)mm
Weight: about 105g (without batteries)



Dynamic ECG Systems adopt 12-lead system of international standard, which can continuously record ECG waveform for 24-hour and analyze ECG waveform by the PC software. It is applicable for use in medical institutions and the community.

Function

- The recorder can real-time store ECG data for 24-hour.
- Arrhythmia analysis based on MCSSTM and TMCATM can greatly reduce doctor's work.
- Sync analysis for 12-lead, which ensures that QRS waveform can be found accurately, and no distortion.
- With more than 10 templates (such as atrial fibrillation, ect.) and many user-defined modules, which can almost distinguish any kind of pathologic waveforms.
- Flexible analysis channel selection function, which ensures that any channel can be selected as the main analysis channel.
- Flexible atrial fibrillation analysis, which ensures that physicians can use the whole or segmented Auto/manual analysis, more accurately in atrial fibrillation analysis.
- All pacemakers (such as AAI, VVI, DDD etc.) can be analyzed by the powerful pacemaker analysis function.
- With many pacing analysis templates, such as "Dual chamber pacing", "Ventricular pacing", "Ventricular Pseudo fusion" and "Ventricular asynchronous pacing", etc.
- Single or full-lead ECG in any time bucket can be reviewed by the fast review analysis function.
- With analysis functions for 5-minute, 1-hour and 24-hours heart rate variability.
- One-Key print, convenient and fast to print the reports.
- Perfect case management function.
- Abnormal ST can be analyzed according to the whole and event be the advanced ST segment analysis and total load of

- myocardial ischemia, which can help the doctors comprehensively judge myocardial ischemia.
- The risk of sleep breath pause can be predicted by the unique "Sleep breath pause syndrome" analysis function.
- The death risk in patients with myocardial infarction can be predicted by the "HRT" analysis function.
- "T-Wave alternation" is an important index to predict the malignant arrhythmia and sudden cardiac death.
- With QTD (QT dispersion), VCG(vector cardiogram), VLP (ventricular late potential) and TVCG(time vector cardiogram) analysis modules, more valuable in analysis report.

Package included

- Electrodes
- Leads
- USB cable
- Case
- User manual