



Ventmed | Design for a better life



Hunan Ventmed Medical Technology Co., Ltd.

Factory: Building No.9 and 10, Area B of Shaoyang Electronic Information Industrial Park, No.18 Road, Shaoyang Economic Development Zone, Shaoyang City, Hunan, 422000, P.R. China
Tel.: +86-739-5188959 Web: www.ventmed.net

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Product Catalogue

CPAP/APAP/BIPAP and PSG



Company Profile

Hunan Ventmed Medical Technology Co., Ltd. was established in 2013, R&D began in 2003. It is located in Shaoyang City, Hunan Province, China. Specialized in sleep monitoring and respiratory therapy products of R&D, production, sales and services, the main products are CPAP/APAP/BIPAP, medical ventilator, polysomnography (PSG) device, chronic disease management service platform, etc. We adhere to independent innovation, have broken through a number of core technical barriers, and got more than 100 invention patents, intellectual property rights, scientific and technological achievements. Undertaking the key projects of national "Active Health" R&D plan and provincial & ministerial scientific research projects. Integrate the innovative resources of the respiratory diagnosis and treatment equipment industry, unite many domestic authoritative medical experts and scientific research technical experts from colleges and universities to set up a respiratory product technology research center, explore the application of AI + big data technology in the medical field, providing one-stop solution.

Certificates



CE Certificate

ISO13485:2016

International Patents

International Patents

Madrid International Trademark





DF series Auto CPAP



- 22 dBA ultra-low noise
- Sponge-free design for silence box, protect healthy breathing
- Advanced noise-canceling technology, enjoy comfortable sleeping



- User data information showed on screen
- Professional software to generate sleep reports



- Various alarm prompts to protect the treatment effect of patients



- Built-in humidifier and optional heated air tubing
- Stable temperature and humidity control



- Optional GPRS/WIFI module for data transmission realize remote management



- Optional bluetooth oximeter
- Show SpO2 value on screen

Specification

Description	DF-20A-HM	DF-25S-HM
Work Mode	CPAP, AUTO	CPAP, AUTO, Auto S
Pressure Range	4cmH2O-20cmH2O, automatic adjustment	4cmH2O-25cmH2O, automatic adjustment
Expiratory Pressure	/	4cmH2O-25cmH2O
Inspiratory Pressure	/	4cmH2O-25cmH2O
Tubing Heating Function	Yes	
Mobile Network	Optional	
Data Cloud Platform	Optional	
Pressure Rise/Fall Time	/	100ms-900ms
I/E Sensitivity	/	5 levels
Pressure Difference	/	2cmH2O-10cmH2O
Ramp Time	0-60min	
Noise	≤ 22 dBA @10cmH2O	
Data Storage	TF card, >5 years	
Screen (inch)	3.5 inch color display	
Humidity Level	Heating and humidification, level 1-5 adjustable	
Heating Tubing Temperature	10°C-30°C adjustable, step size 1°C	
Preheat	ON/OFF	
Flight Mode	ON/OFF	
Bluetooth Oximeter	Optional	
Alarm	Mask off, suffocation, pressure abnormality, tubing abnormality	
Power	Input: 100-240V~, 50/60Hz, 1.5A Max. Output: 24V = 3A	
Dimensions(cm)	26.68Lx17.25Wx11.85H(machine)	
Carton Dimensions(cm)	41L x 29W x 17.5H (1pc/carton)	
	41L x 32.5W x 30H (2pcs/carton)	
	48L x 41W x 30H (3pcs/carton)	
Weight(with humidifier)	4.07Kg (1pc/carton)	
	7.74Kg (2pcs/carton)	
	11.57Kg (3pcs/carton)	



Specification

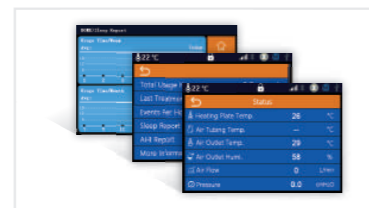
Description	DF-25W-HM	DF-30V-HM
Work Mode	CPAP, AUTO, Auto S, S, T, ST	CPAP, AUTO, Auto S, S, T, ST, APCV
Expiratory Pressure	4cmH ₂ O-25cmH ₂ O	4cmH ₂ O-25cmH ₂ O
Inspiratory Pressure	4cmH ₂ O-25cmH ₂ O	4cmH ₂ O-30cmH ₂ O
Tubing Heating Function	Yes	
Mobile Network	Optional	
Data Cloud Platform	Optional	
Pressure Rise/Fall Time	100ms-900ms	
Pressure Difference	2cmH ₂ O-10cmH ₂ O	
I/E Ratio	10%-90%	
I/E Sensitivity	5 levels	
Backup Rate	5bpm-60bpm, step size 1bpm, tolerance ±1bpm	
Target Tidal Volume	200mL-1200mL, step size 10mL	
Ramp Time	0-60min	
Noise	≤ 22 dBA @10cmH ₂ O	
Data Storage	TF card, >5 years	
Screen (inch)	3.5 inch color display	
Heating Tubing Temperature	10°C-30°C adjustable, step size 1°C	
Humidity Level	Heating and humidification, level 1-5 adjustable	
Preheat	ON/OFF	
Flight Mode	ON/OFF	
Alarm	Mask off, suffocation, pressure abnormality, tubing abnormality	
Bluetooth Oximeter	Optional	
Power	Input: 100-240V~, 50/60Hz, 1.5A Max. Output: 24V = 3A	
Dimensions(cm)	26.68Lx17.25Wx11.85H(machine)	
Carton dimensions(cm)	41L x 29W x 17.5H (1pc/carton)	
	41L x 32.5W x 30H (2pcs/carton)	
	48L x 41W x 30H (3pcs/carton)	
Weight(with humidifier)	4.07Kg (1pc/carton)	
	7.74Kg (2pcs/carton)	
	11.57Kg (3pcs/carton)	



DF series BIPAP



- 22 dBA ultra-low noise
- Sponge-free design for silence box, protect healthy breathing
- Advanced noise-canceling technology, enjoy comfortable sleeping



- User data information showed on screen
- Professional software to generate sleep reports



- Various alarm prompts to protect the treatment effect of patients



- Built-in humidifier and optional heated air tubing
- Stable temperature and humidity control



- Optional GPRS/WiFi module for data transmission realize remote management



- Optional bluetooth oximeter
- Show SpO₂ value on screen

Auto CPAP DS-6



Comfort

- EPR(Expiratory Pressure Relief,0-3 level)ensure comfort degree Automatic Synchronization Technology ensure the ventilator and patient to achieve perfect synchronization, which make patients nice experience.

Quiet : Noise<29 dBA

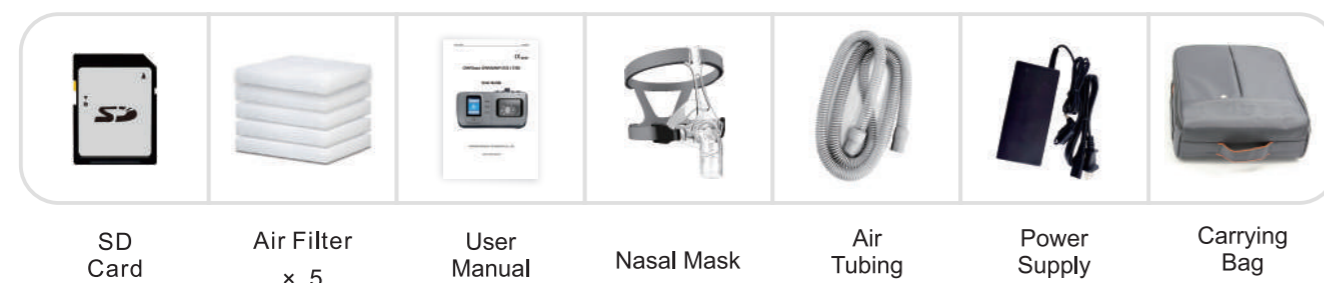
- High efficiency brushless DC motor, 10ms of rapid response Patent for cancel muffling technology.

Easy Operation

- Special water tank to make operation very easy and humanized.

Professional Doctor Software

- Intelligent doctor software greatly reduce doctors' workload.



SD Card

Air Filter
× 5

User Manual

Nasal Mask

Air Tubing

Power Supply

Carrying Bag

Specification

Description	AUTO CPAP DS-6
Work Mode	CPAP, AUTO
Color	Silver
Noise	≤ 25 dBA @10cmH ₂ O
Screen	2.8 inch TFT, 320 x 240 pixels
Pressure Range	4cmH ₂ O-20cmH ₂ O, automatic adjustment
Data Storage	>5 years
Power Supply	Input: 100-240V~, 50/60Hz, 1.6A Max. Output: 24V = 2.5A
Over-Temperature Protection	Stop automatically, alarm with 4 times beeps
Parameter Lock	Yes
Screen Off	Screen off in 15 minutes, press any button to highlight screen
Ramp Time	0-60 min, adjustable 1min/Step
Auto ON/OFF	Yes
EPR(Expiratory Pressure Relief)	Yes, 0-3 level
Auto-Altitude	Yes
Leak Compensation	Yes
Awake Detection	Yes
Breath Event Detection	Yes
Auto Pressure Titration	Yes
Water Tank Capacity	220mL Max.
Humidifier Level	Integrated Heated, 0-5 level
Alarm	Power off, Mask off
Dimensions(cm)	28L x 14W x 9.5H (machine) 37.5L x 34W x 15H (1pc/carton)
Carton Dimensions(cm)	39L x 32.5W x 37.5H (2pcs/carton) 49L x 39W x 38H (3pcs/carton)
Weight(with humidifier)	3.8Kg (1pc/carton) 8.8Kg (2pcs/carton) 11.8Kg (3pcs/carton)
Warranty	2 years



BIPAP DS-7 & DS-8

Effective Treatment

- AST(Automatic Synchronization Technology) anticipates respiratory waveform and provides corresponding EPAP and IPAP to ensure patient's comfort and mechanical synchrony.

Data Management

- SD card (available per customers' request).



SD Card



Air filter x5



Full Face Mask



Air Tubing



T-Junction



Power Supply



User Manual



Carrying Bag

Specification

Description	BiPAP DS-7(ST25)	BiPAP DS-8(ST30)
Work Mode	CPAP, AUTO, S, T, ST	CPAP, AUTO, S, T, ST, APCV
Color	Grey	
Noise	≤ 25 dBA @10cmH ₂ O	
Screen	2.8 inch TFT, 320 x 240 pixels	
Pressure Range	4cmH ₂ O-25cmH ₂ O	4cmH ₂ O-30cmH ₂ O
Inspiratory Pressure	4cmH ₂ O-25cmH ₂ O	4cmH ₂ O-30cmH ₂ O
Expiratory Pressure	4cmH ₂ O-20cmH ₂ O	4cmH ₂ O-20cmH ₂ O
Data Storage	>5 years	
Power	Input: 100-240V~, 50/60Hz, 1.6A Max. Output: 24V===2.5A	
Over-Temperature Protection	Stop automatically, alarm with 4 times beeps	
Parameter Lock	Yes	
Screen Off	Screen off in 15 minutes, press any button to highlight screen	
Backup Rate	4bpm-50bpm, step size 1bpm, tolerance ±1bpm	
IE Ratio	10-80%	
Ramp Time	0-60min, adjustable 1min/Step	
Auto ON/OFF	Yes	
Inspirate Triggler	1-5 level	
Expiratory Level	1-5 level	
Inspirate Sensitivity	1-5 level	
EPR(Expiratory Pressure Relief)	Yes, 0-3 level	
Auto-Altitude	Yes	
Leak Compensation	Yes	
Awake Detection	Yes	
Breath Event Detection	Yes	
Water Tank Capacity	220mL Max.	
Humidifier Level	Integrated Heated, 0-5 level	
Alarm	Power off, Mask off	
Dimensions(cm)	28L x 14W x 9.5H (machine) 37.5L x 34W x 15H (1pc/carton)	
Carton Dimensions(cm)	39L x 32.5W x 37.5H (2pcs/carton) 49L x 39W x 38H (3pcs/carton)	
Weight(with humidifier)	3.8Kg (1pc/carton) 8.8Kg (2pcs/carton) 11.8Kg (3pcs/carton)	
Warranty	2 years	



Auto CPAP VM-6

Whisper quiet, light and compact

- Ultra-quiet design, noise <28 dBA; Small and Light, portable design.

Effective Treatment

- AST(Automatic Synchronization Technology) anticipates respiratory waveform and provides corresponding pressure to ensure patient's comfort and mechanical synchrony.

Efficient heating humidifier system

- Integrated thermostatic humidifier, anti-backflow design, avoid dry burning or water overflow.

Professional sleep study report

- Unique sleep study report of whole week & month, easy operation, exquisite interface.



Specification

Description	AUTO CPAP VM-6
Work Mode	CPAP, AUTO
Noise	≤ 22 dBA @10cmH ₂ O
Screen	2.8 inch TFT, 320 x 240 pixels
Pressure Range	4cmH ₂ O-20cmH ₂ O, automatic adjustment
Data Storage	> 5 years
Power	Input: 100-240V~, 50-60Hz, 1.6A Max. Output: 24V = 2.5A
Over-Temperature Protection	Stop automatically, alarm with 4 times beeps
Lock Function	Yes
Screen Off	Screen off in 15 minutes, press any button to highlight screen
Ramp Time	0-60min, adjustable 1min/Step
Auto ON/OFF	Yes
EPR(Expiratory Pressure Relief)	Yes, 0-3 level
Auto-Altitude	Yes
Leak Compensation	Yes
Awake Detection	Yes
Breath Event Detection	Yes
Auto Pressure Titration	Yes
Water Tank Capacity	200mL Max.
Humidifier Level	Integrated heated, 0-5 level
Alarm	Power off, Air leakage
Machine Dimensions(cm)	29L x 15W x 10H (machine)
Carton Dimensions(cm)	34L x 20.5W x 25.5H (1pc/carton)
	39.5L x 34W x 25.5H (2pcs/carton)
	59.5L x 34W x 25.5H (3pcs/carton)
Gross Weight	4.5Kg (1pc/carton)
	8.1Kg (2pcs/carton)
	11.5Kg (3pcs/carton)
Warranty	2 years

Auto BIPAP VM-7&VM-8

Professional sleep study report

- Unique sleep study report of whole week & month.
- Easy operation, exquisite interface.
- Patient-device synchrony real-time displaying
- Whisper quiet, light and compact
- Intelligent breathing algorithm
- Efficient heating humidifier system



TF Card



Air filter x5



Full Face Mask



Air Tubing



T-Junction



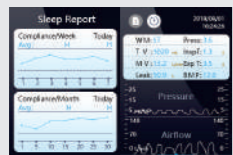
Power Supply



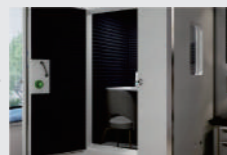
User Manual



Carrying Bag



Patient-device synchrony
Real-time displaying



Whisper quiet
light and compact



Intelligent
Breathing Algorithm



Efficient heating
humidifier system

Specification

Description	Auto BIPAP VM-7(ST25)	Auto BIPAP VM-8(ST30)
Work Mode	CPAP, AUTO, Auto S, S, T, ST	CPAP, AUTO, Auto S, S, T, ST, APCV
Noise	≤ 22 dBA @10cmH ₂ O	
Screen	2.8 inch TFT, 320 x 240 pixels	
Pressure Range	4cmH ₂ O-25cmH ₂ O	4cmH ₂ O-30cmH ₂ O
Inspiratory Pressure	4cmH ₂ O-25cmH ₂ O	4cmH ₂ O-30cmH ₂ O
Expiratory Pressure	4cmH ₂ O-20cmH ₂ O	4cmH ₂ O-20cmH ₂ O
Data Storage	> 5 years	
Power	Input: 100-240V~, 50-60Hz, 1.6A Max. Output: 24V = 2.5A	
Over-Temperature Protection	Stop automatically, alarm with 4 times beeps	
Parameter Lock	Yes	
Screen	Screen off in 15 minutes, press any button to highlight screen	
Backup Rate	4bpm-50bpm, step size 1bpm, tolerance ±1bpm	
IE Ratio	10-80%	
Ramp Time	0-60min, adjustable 1min/Step	
Auto ON/OFF	Yes	
Inspirate Triggler	1-5 level	
Expirate Level	1-5 level	
Inspirate Sensitivity	1-5 level	
EPR(Expiratory Pressure Relief)	Yes, 0-3 level	
Auto-Altitude	Yes	
Leak Compensation	Yes	
Awake Detection	Yes	
Breath Event Detection	Yes	
Water Tank Capacity	200mL Max	
Humidifier Level	Integrated Heated, 0-5 level	
Alarm	Power off, Air leakage	
Dimensions(cm)	29L x 15W x 10H (machine)	
Carton Dimensions(cm)	34L x 20.5W x 25.5H (1pc/carton)	
	39.5L x 34W x 25.5H (2pcs/carton)	
	59.5L x 34W x 25.5H (3pcs/carton)	
Gross Weight	4.5Kg (1pc/carton)	
	8.1Kg (2pcs/carton)	
	11.5Kg (3pcs/carton)	
Warranty	2 years	

RX non-invasive positive pressure ventilator

Variety of therapy options are provided for different users

- Professional therapy real-time monitoring
- Intelligent split screen technology
- Double sampling pressure
- Dual operation mode+ intelligent split screen, easy to operate
- Independent oxygen interface
- 15 alarm functions for patient safety
- Medical heating and humidifier



IPVS Intelligent mode precise therapy as you want

- IPVS mode is an original precise therapy mode of our RX non-invasive positive pressure ventilator.
- After entering the patient's height and weight, IPVS will automatically calculate the target tidal volume for patient, and automatically adjust the pressure for patient's breathing to maintain this target tidal.

HF high flow mode, simple adjustment, humidified oxygen therapy

- The medical humidifier was assembled to output air and oxygen mixed airflow with temperature and humidity control.
- Help the patient to receive stable oxygen and provide high flow output of 80L/min.
- Flush the dead cavity of nasopharynx, reduce repeated inhalation of CO₂, and combine oxygen therapy with assisted respiration.

Air leakage compensation function

- When the mask moves or the altitude changes, the air leakage compensation function will automatically compensate air pressure to ensure synchronization and comfort of breathing.

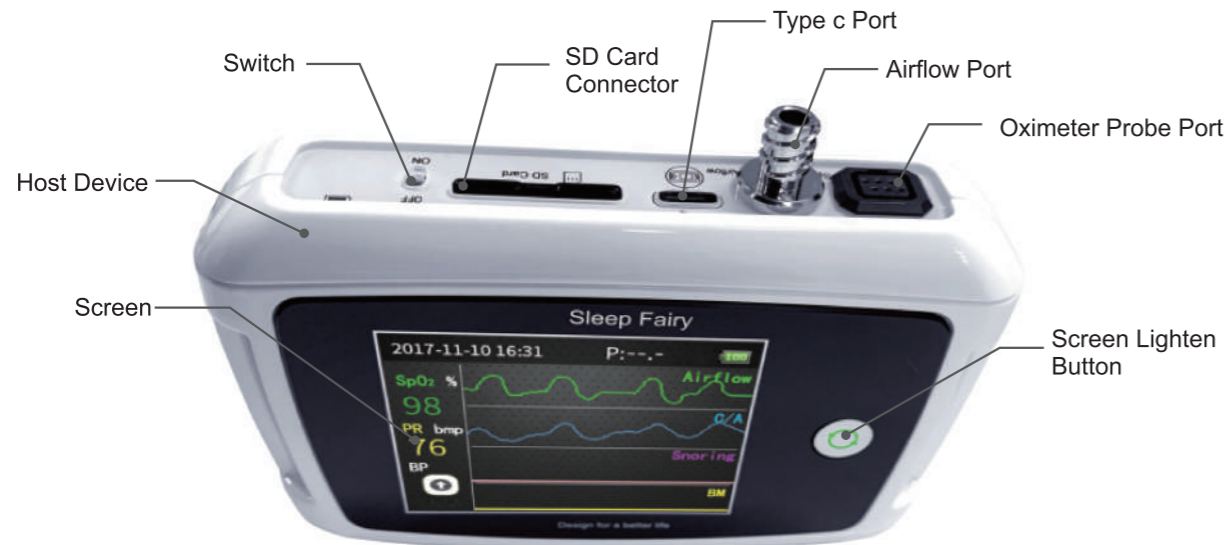
Provides comfort and synchronization of pressure support for patients.

- In order to reach the target value of tidal volume, IPVS will respond quickly within 4-5 breaths.
- Through control of tidal volume of patients, improve alveolar ventilation, and assist patient with more oxygen inhalation.

Product model parameter table

Model Number	Work mode	Built in battery backup	Maximum pressure	Backup rate	Pressure rise/drop time	Target tidal volume	Technical functions
RX-30	CPAP, S, T, ST, APCV, TVV-ST, TVV-APCV	NO	4-30cmH ₂ O	5bpm-60bpm STEP 1bpm	Rise: 100ms-900ms Fall: 100ms-400ms	200-1200ml, STEP 10ml	Proximal pressure sampling function With external oxygen concentration detection interface, can be connected to high pressure/low pressure oxygen source
RX-35			4-35cmH ₂ O				
RX-40			4-40cmH ₂ O				
RX-30B		YES operation time ≥ 8 hours	4-30cmH ₂ O				
RX-35B			4-35cmH ₂ O				
RX-40B			4-40cmH ₂ O				
RX-30P	CPAP, S, T, ST, APCV, TVV-ST, TVV-APCV, IPVS, HF	NO	4-30cmH ₂ O				
RX-35P			4-35cmH ₂ O				
RX-40P			4-40cmH ₂ O				
RX-30BP			YES operation time ≥ 8 hours	4-30cmH ₂ O			
RX-35BP	4-35cmH ₂ O						
RX-40BP	4-40cmH ₂ O						

Ventmed SF-A9 sleep monitor device



Specifications

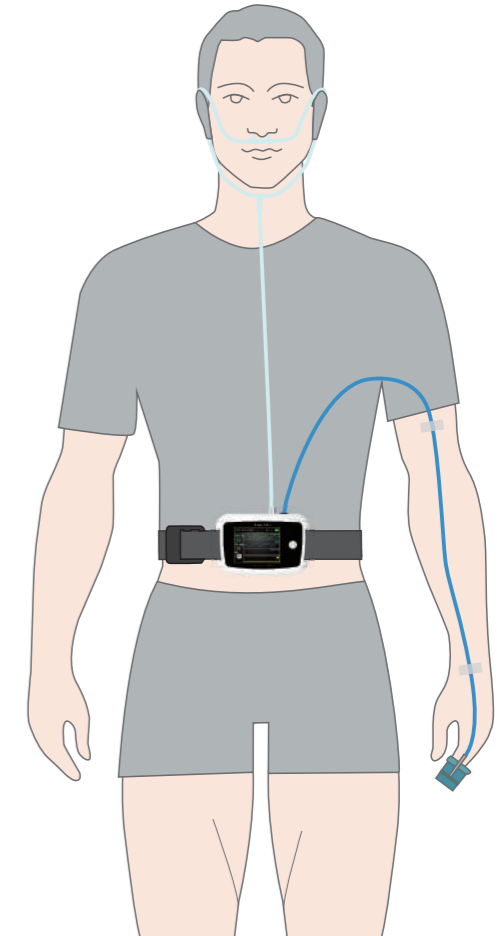
Recorded Channels	Airflow, snore, Thoracic/Abdominal movement, SpO2, pulse rate, PPG, body position, body movement, CPAP titration
Body Position	Supine, prone, right side, left side, upright
Data Storage	16G SD card
Battery	3.7V, 4000mAh chargeable lithium battery (built-in device)
Power	Input: 100-240V~, 50/60Hz, 0.5A Max. Output: 5.0V=== 2.0A
Screen	2.8 inch TFT, 320 x 240 pixels
Sampling Rate	50-250Hz
Data Resolution	ADC: 12bit(0 - 4095)
SpO2	80%-100%, tolerance $\leq\pm 2\%$ 70%-79%, tolerance $\leq\pm 3\%$
Pulse	30-240bpm
Device Net Weight	190g with battery
Device Dimensions	12.5cm L x 8cm W x 2.4cm H
Gross Weight	1.7Kg (1pc/carton)
Carton Dimensions	29cm L x 19.5cm W x 19cm H (1pc/carton)
Warranty	1 year

Ventmed SF-A9 Advantages

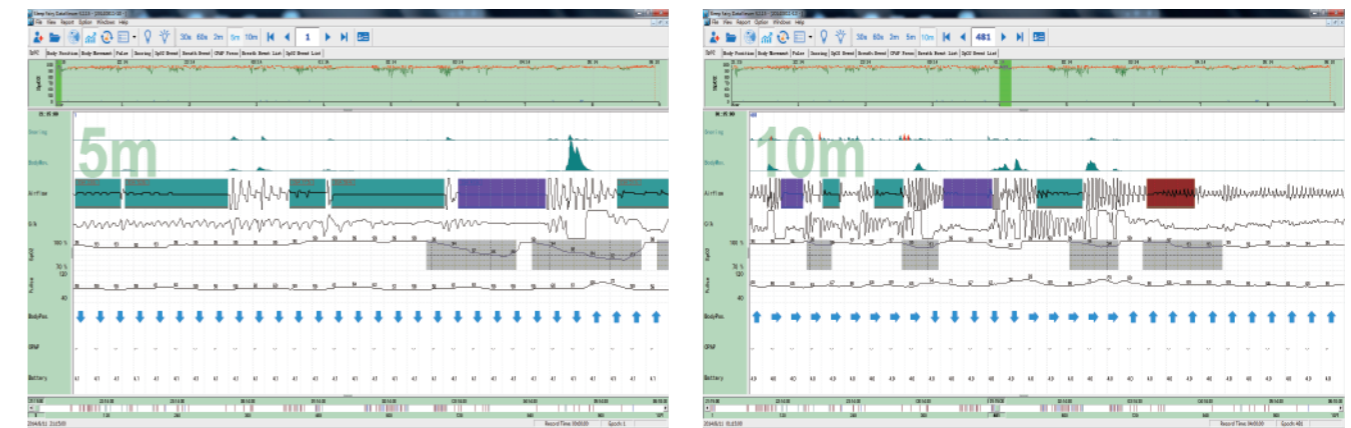
- Set the start time and end time, recording automatically
- Display monitoring waveforms in real-time
- Advanced high-precision 3D gyroscope technology
- Professional sleep analysis software
- Advanced reporting capabilities, with multiple report templates
- CPAP titration
- Large capacity rechargeable battery (over 40 hours)
- Automatic sleep staging with AI deep learning
- Meet the criteria of AASM standards

Ventmed SF-A9 Includes:

- Host device
- Carrying bag
- Oximeter probe
- User manual
- SD card reader
- Adapter
- 2 x Spare luer connector
- 2 x Nasal cannula
- 2 x Fixing belt



Friendly interface, nice UI graphic design, support for Windows XP/ 7/ 8/ 10/ 11 operation system.



Portable/Ambulatory full polysomnography

Model: SF-A10S / SF-A22S / SF-A30S / SF-A40S Ventmed PSG



Flexible Signal Options

- Use a cannula to record airflow
- Use Inductive Plethysmography to record respiratory effort
- Use 3D gyroscope sensor integrated into device to acquire body position and movement

Wireless Technology

- Uses bluetooth wireless technology for patient freedom
- Up to 10m range from bedside computer to patient - dependant on environment

Battery

- 3.7V, 4000mAH chargeable lithium battery(built in device)

Recording Time

- **A10S:** Up to 40 hours of recording with 100% battery
- **A22S, A30S:** Up to 18 hours of recording with 100% battery
- **A40S:** Up to 14 hours of recording with 100% battery

Compatible Software

- Sleep fairy for data analysis
- Digital video can be used with PSG Online

Carton Dimensions

- 29cm L x 19.5cm W x 19cm H (1pc/carton)

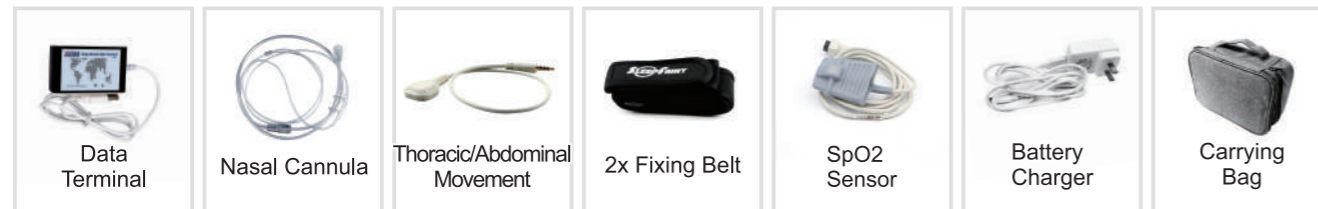
Gross Weight

- 1.7Kg (1pc/carton)

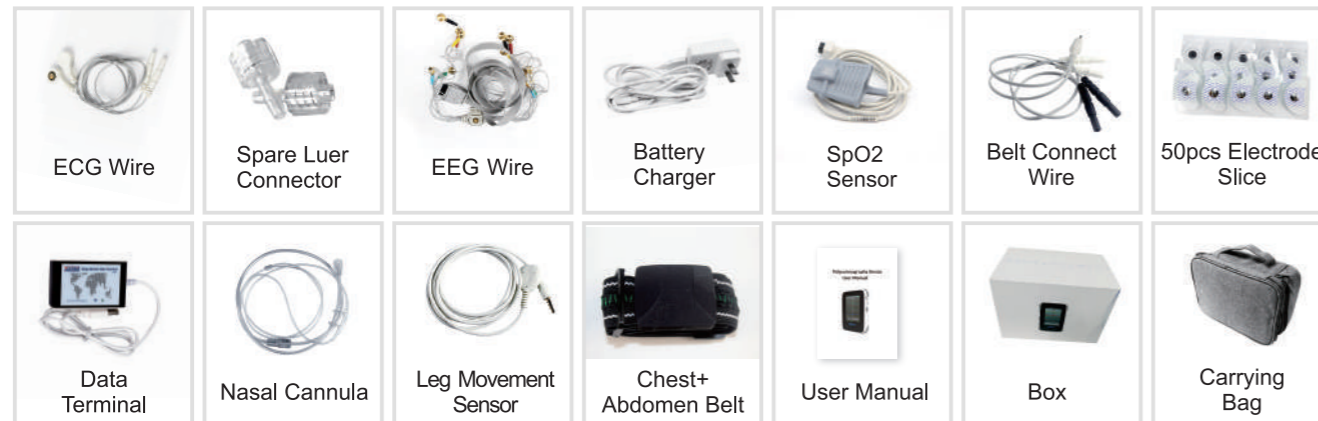
Warranty

- 1 year

SF-A10S



SF-A40S



Technical Specifications

Weight

- A10S: 180g (including battery) A22S, A30S, A40S: 192g (including battery)
- Recorder Size: 111mm L x 72mm W x 24mm H

Power

- Input: 100-240V~, 50/60Hz, 0.5A Max.
- Output: 5.0V === 2.0A

Sampling Rate

- A10S: 1-250Hz A22S, A30S, A40S: 1-10000Hz

Description	SF-A10S	SF-A22S	SF-A30S	SF-A40S
EEG-F3		•	•	•
EEG-F4		•	•	•
EEG-C3			•	•
EEG-C4			•	•
EEG-O1				•
EEG-O2				•
2 x EOG		•	•	•
2 x Chin EMG		•	•	•
ECG		•	•	•
Airflow from Pressure Sensor	•	•	•	•
Snoring from Pressure Sensor	•	•	•	•
CPAP Titration	•	•	•	•
Thoracic Inductive RIP belt		•	•	•
Abdominal Inductive RIP belt		•	•	•
Leg Movement		•	•	•
Body Position	•	•	•	•
Oximeter Provides SpO2 , Pulse Rate, Plethysmography Waveform and Oximeter Probe Status	•	•	•	•
Heart Rate	•	•	•	•
CPC(Cardiopulmonary Coupling)		•	•	•
Thoracic/Abdominal Movement	•	•	•	•
Body Movement	•	•	•	•
MIC Snoring	•	•	•	•
Voice Recording	•	•	•	•
ABP(SBP, DBP, MAP) ^[1]		•	•	•
PTT(Pulse Transfer Time)		•	•	•
Simulated Airflow		•	•	•
Respiratory Effort	•	•	•	•

^[1] ABP: Ambulatory Blood Pressure SBP: Systolic Blood Pressure
 DBP: Diastolic Blood Pressure MAP: Mean Arterial Pressure



SF-A40S

Masks and Air Tubing

BetterFit Series Nasal Mask (S, M, L)

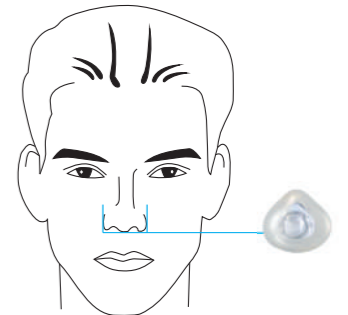
- Medical silicone material, fit softly and comfortable
- The silicone pad adopts a Spring shrinkage design, which automatically adjusts and fits the face.
- The adjustment range can reach 15.
- There is no pressure on the bridge of the nose.
- Easy to assemble and disassemble for cleaning and maintenance.



NM-002-TM (M, L)

How to Choose the Right Size for a Nasal mask?

- Measure your face using a ruler or a measuring tape.
- As Fig. shows, measure the width of your nose horizontally from the outside of your nose on the left to the outside of your nose on the right.
- Match your meas. with the given sizes below to find the correct mask size.



The facial meas	35-45mm	45-55mm
Sizing advice	M	L

SmartFit Series Nasal Mask (S, M, L)

- Medical silicone material, comfortable to wear and fit, with good anti-leakage performance
- The silicone pad adopts a pleated design and automatically adjusts its angle to fit the face. Prevent pressure on the bridge of the nose.
- Anti-slip design ensures stability without obstructing vision, suitable for all sleeping positions.
- Easy to assemble and disassemble for cleaning and maintenance.



Heating air tubing

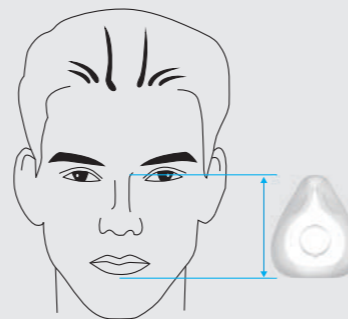
- Single 19mm diameter 6ft Hose



FM-003-TM(M, L)

How to Choose the Right Size for a Full face mask?

- Measure your face using a ruler or a measuring tape.
- As Fig. shows, measure from the height of the bridge of your nose down to the indent on your chin (just below your bottom lip)
- Match your meas. with the given sizes below to find the correct mask size.



The facial meas	85-95mm	95-105mm
Sizing advice	M	L

Air tubing

- Single 19mm diameter 6ft Hose

