

**BioMEDanas**  
FOR BIOMEDICAL ENGINEERING





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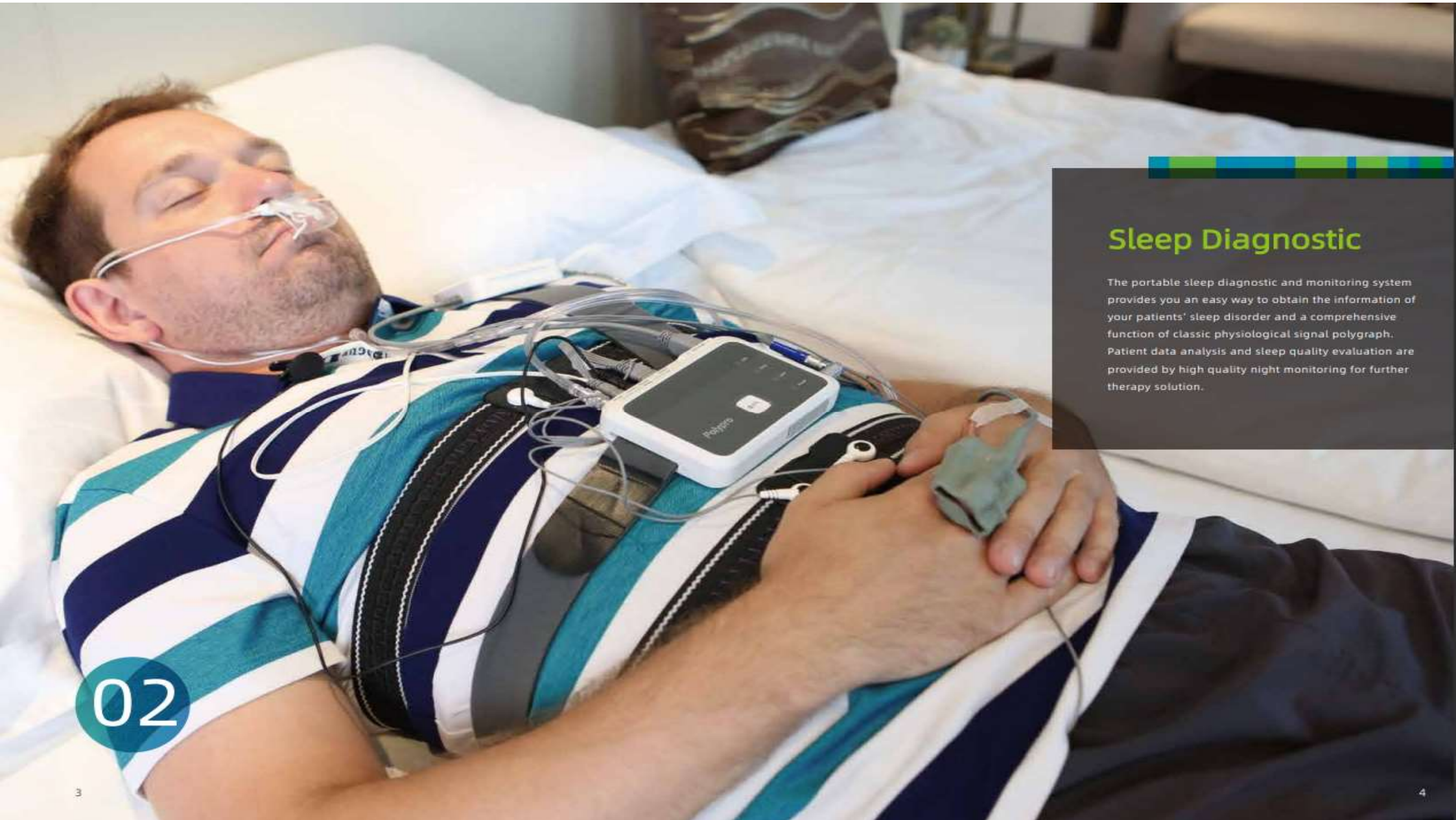
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## Sleep Diagnostic

The portable sleep diagnostic and monitoring system provides you an easy way to obtain the information of your patients' sleep disorder and a comprehensive function of classic physiological signal polygraph. Patient data analysis and sleep quality evaluation are provided by high quality night monitoring for further therapy solution.

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## Polypro Portable Sleep Diagnostic System / Polysomnograph

H2 / H2 Plus / H2 Elite / H2 Pro

### Optimized hardware platform

- Innovative no screen design
- High sampling & storage rate
- Intelligent App displays all waveforms in real-time

### Powerful PC software features

- User-friendly operation interface
- Cross-platform data compatibility
- Remote cloud-based PSG online analysis
- Diversified & illustrated analysis report

### Powerful data automatic analysis

- Automatic Sleep staging according to the latest AASM guidelines
- Sleep apnea, hypopnea and sleep-related arousal analysis
- PLM, ST and HRV automatic analysis
- The minimum SpO<sub>2</sub> saturation analysis at night
- Snoring automatic analysis



## PolyWatch Sleep Screener / Portable Sleep Diagnostic System

YH-600A Pro / YH-600B Pro



Dimensions: 78 x 60 x 21 mm  
Weight: 75 g (without battery)

### More Than Itself

- Colorful LCD display
- Wrist-wear design
- Multiple data transmission
- Real-time waveform display
- Classification of OSA and CSA (YH-600B Pro)

Product Model	SpO <sub>2</sub>	Pulse rate	Airflow waveform	Snore	Wrist movement	CPAP pressure	Body position	Thorax / Abdomen effort
YH-600A Pro	✓	✓	✓	✓	✓	✓		
YH-600B Pro	✓	✓	✓	✓	✓	✓	✓	✓

03



Respiratory High-Flow Therapy



## Respiratory High-Flow Therapy

BMC new H-80 Series Respiratory High-Flow Therapy Device, with highly integrated design, meets more needs of clinical treatment.

- Air & oxygen mixed gases up to 80 L/min
- Target oxygen concentration, temperature and flow
- Unique AutoFlow & SmartFlow modes
- Comprehensive monitoring indexes
- Easy setup



Model	H-80AS	H-80A	H-80M
Adjustment of oxygen concentration	Auto	Auto	Manual
Flow	Monitorable, adjustable	Monitorable, adjustable	Monitorable, adjustable
Flow range	2 to 80 L/min	2 to 80 L/min	2 to 80 L/min
Oxygen concentration adjustment range	21% to 100%	21% to 100%	21% to 100%
★ Temperature output range	29°C to 37°C	29°C to 37°C	29°C to 37°C
★ Temperature adjustment gear	9 steps adjustable	9 steps adjustable	9 steps adjustable
Screen size	3.5-inch	3.5-inch	3.5-inch
Trend review function	1 day, 3 days, 7 days	1 day, 3 days, 7 days	1 day, 3 days, 7 days
Oxygen concentration	Monitorable, adjustable	Monitorable, adjustable	Monitorable
Temperature	Monitorable, adjustable	Monitorable, adjustable	Monitorable, adjustable
★ sPEEP	Monitorable	Monitorable	Monitorable
★ Respiratory rate	Monitorable	Monitorable	Monitorable
Automatic reminder of filter replacement	Yes, settable	Yes, settable	Yes, settable
Automatic water filling function	Yes	Yes	Yes
★ AutoFlow	Yes	/	/
★ SmartFlow	Yes	/	/
Humidity compensation	-3 to +3, 7 steps adjustable	-3 to +3, 7 steps adjustable	-3 to +3, 7 steps adjustable

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Respiratory Insufficiency Ventilator



# Respiratory Insufficiency Ventilator

The BMC R series non-invasive Bi-level ventilator has been designed highly integrated with twin turbine motor, with its high flow and non-invasive mode, can meet the more needs of clinical treatment.



### In the high flow mode

- Mixed air & oxygen up to 80 L/min
- Automatic oxygen concentration setting
- Unique AutoFlow and SmartFlow modes

Model	R-90S	R-80S	R-80B	R-80C
Adjustment of oxygen concentration	Auto	Auto	Auto	Manual
Flow	Monitorable, adjustable	Monitorable, adjustable	Monitorable, adjustable	Monitorable, adjustable
Flow range	2 to 80 L/min	2 to 80 L/min	2 to 80 L/min	2 to 80 L/min
Oxygen concentration adjustment range	21% to 100%	21% to 100%	21% to 100%	/
★Temperature output range	29°C to 37°C	29°C to 37°C	29°C to 37°C	29°C to 37°C
★Temperature adjustment gear	9 steps adjustable	9 steps adjustable	9 steps adjustable	9 steps adjustable
Screen size	3.5-inch	3.5-inch	3.5-inch	3.5-inch
Trend review function	1 day; 3 days; 7 days	1 day; 3 days; 7 days	1 day; 3 days; 7 days	1 day; 3 days; 7 days
Oxygen concentration	Monitorable, adjustable	Monitorable, adjustable	Monitorable, adjustable	Monitorable
Temperature	Monitorable, adjustable	Monitorable, adjustable	Monitorable, adjustable	Monitorable, adjustable
★sPEEP	Monitorable	Monitorable	Monitorable	Monitorable
★Respiratory rate	Monitorable	Monitorable	Monitorable	Monitorable
SpO <sub>2</sub>	Option	Option	Option	Option
Pulse rate	Option	Option	Option	Option
Automatic reminder of filter replacement	Yes, settable	Yes, settable	Yes, settable	Yes, settable
Automatic water filling function	Yes	Yes	Yes	Yes
★AutoFlow	Yes	Yes	/	/
★SmartFlow	Yes	Yes	/	/
★Humidity compensation	-3 to +3, 7 steps adjustable	-3 to +3, 7 steps adjustable	-3 to +3, 7 steps adjustable	-3 to +3, 7 steps adjustable
★Twin turbine motor	Yes	Yes	Yes	Yes

### In the Bi-level non-invasive mode

- The maximum IPAP up to 50cmH<sub>2</sub>O
- The target oxygen concentration can be set

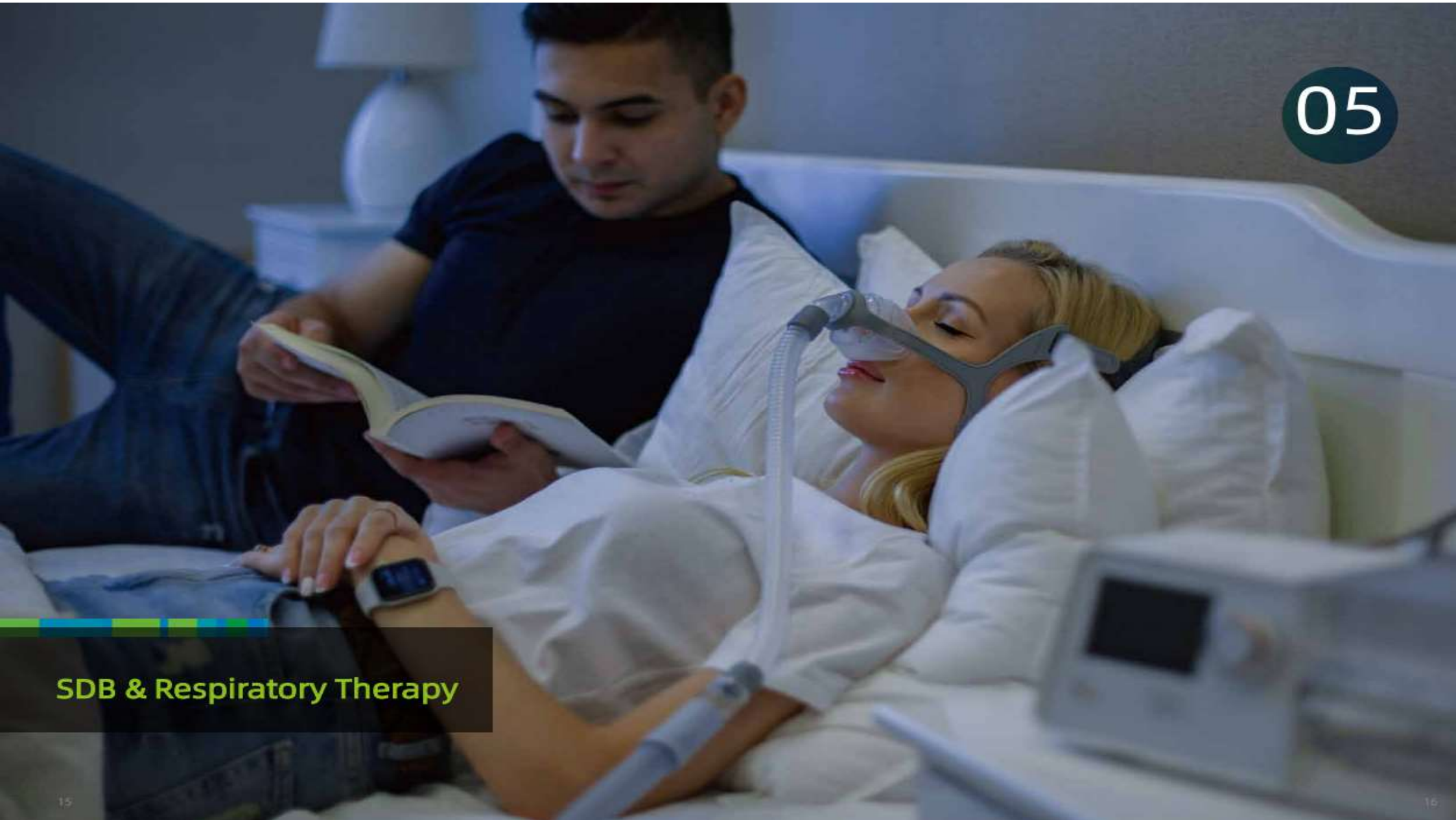
Model	R-90S	R-80S	R-80B	R-80C
Non-invasive mode	CPAP, Auto CPAP, S, Auto S, S/T, T	CPAP, Auto CPAP, S, Auto S, S/T, T	CPAP, S, S/T, T	CPAP, S, S/T, T
Oxygen concentration setting	Off, 21% to 100% settable	Off, 21% to 100% settable	Off, 21% to 100% settable	/
FiO <sub>2</sub>	21% to 100% monitorable	21% to 100% monitorable	21% to 100% monitorable	21% to 100% monitorable
IPAP (cmH <sub>2</sub> O)	4 to 50	4 to 40	4 to 30	4 to 30
EPAP (cmH <sub>2</sub> O)	4 to 25	4 to 25	4 to 25	4 to 25
Ramp time (minute)	0 to 60	0 to 60	0 to 60	0 to 60
Ramp	1 to 6, 6 adjustable gears	1 to 6, 6 adjustable gears	1 to 6, 6 adjustable gears	1 to 6, 6 adjustable gears
Target tidal volume	Off, 100 to 2000 mL	Off, 100 to 2000 mL	Off, 100 to 2000 mL	Off, 100 to 2000 mL
Ti max	0.3 to 3 s adjustable	0.3 to 3 s adjustable	0.3 to 3 s adjustable	0.3 to 3 s adjustable
Ti min	0.1 to 3 s adjustable	0.1 to 3 s adjustable	0.1 to 3 s adjustable	0.1 to 3 s adjustable
Isens	1 to 8, 8 adjustable gears	1 to 8, 8 adjustable gears	1 to 8, 8 adjustable gears	1 to 8, 8 adjustable gears
Esens	1 to 8, 8 adjustable gears	1 to 8, 8 adjustable gears	1 to 8, 8 adjustable gears	1 to 8, 8 adjustable gears
Respiratory rate	3 to 60 BPM adjustable	3 to 60 BPM adjustable	3 to 60 BPM adjustable	3 to 60 BPM adjustable
Tubing temperature	Off, 18°C to 30°C adjustable	Off, 18°C to 30°C adjustable	Off, 18°C to 30°C adjustable	Off, 18°C to 30°C adjustable

Max. treatment pressure in non-invasive mode (cmH<sub>2</sub>O)

50	40	30	30
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SDB & Respiratory Therapy

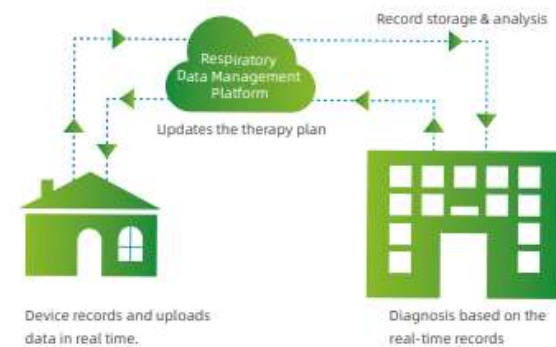




## Respiratory Data Management Platform

For patients who have been diagnosed and using ventilation therapy, they can upload data to the Respiratory Data Management Platform, which enables physicians to manage their therapy anywhere at any time. Patients can get a more effective, timely, convenient and comprehensive medical services from professional doctors.

- Serve the patients "in hand" easily
- Efficient telemedicine
- Make the data more valuable



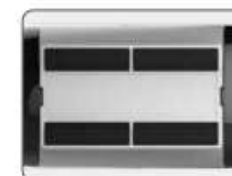


## M1 Mini

The BMC M1 Mini is an Automatic Pressure Adjusting Travel CPAP device designed for the treatment of Snoring and Obstructive Sleep Apnea and Hypopnea Syndrome (OSAHS). It is so small and light that can be taken almost anywhere!



- Colorful light strip ring  
Experience real-time feedback through flashes of color from the device.



- Anti-slip design  
The four rubber anti-slip feet on the base of the device effectively reduce movement during therapy.



- Device size  
Dimension: 159 mm x 66 mm x 72 mm (6.26 in x 2.60 in x 2.83 in)  
Weight: < 400 g



- Three levels of pressure adjusting sensitivity. Standard, Soft and Female for personalized therapy.



- Smart A/C feature  
Thanks to the intelligent pressure adjusting technology, M1 Mini device can automatically alter the treatment pressure parameters to adapt to the user's changing lifestyle.



- Auto Ramp feature



- Accessories & maintenance reminder





## G3 Series

G3 series devices are brand new generation ventilators designed by BMC. It covers CPAP, Auto CPAP, Auto Bi-Level, Bi-Level ST and ASV model as well for sleep labs use for treatment and titration of patients with Sleep Apnea and/or Respiratory Insufficiency.

- Integrated humidifier brings high heating efficiency
- Built-in cellular module makes connectivity standard
- Preheat function
- Integrated heating solution
- Noise level: 26 - 28 dB
- Smart A/B/C feature



Model	Pressure range (cmH <sub>2</sub> O)	Working mode						Targeted tidal volume	ASV / ASV Auto
		CPAP	Auto CPAP	Auto S	S	T	S/T		
G3 C20	4-20	✓							
G3 A20	4-20	✓	✓						
G3 B20A	4-20	✓		✓	✓				
G3 B25S	4-25	✓			✓				
G3 B25A	4-25	✓		✓	✓				
G3 B30SV	4-30	✓					✓		✓
G3 B25VT	4-25	✓			✓	✓	✓	✓	
G3 B30VT	4-30	✓			✓	✓	✓	✓	
G3 LAB	4-30	✓	✓	✓	✓	✓	✓	✓	✓

## G2S Series

Designed with integrated humidifier, RESmart G2S is smaller, lighter and more affable.



- 2.4-inch / 3.5-inch color user-friendly screen
- 3-button control panel
- Newly designed integrated humidifier
- The noise level as low as 28 dB
- Automatic leakage and altitude compensation
- Reslex exhalation pressure release
- Auto on/off
- Powerful data transfer retrieval solution

Model	Pressure	Mode
G2S C20	4 - 20 cmH <sub>2</sub> O	CPAP
G2S A20	4 - 20 cmH <sub>2</sub> O	CPAP, Auto CPAP
G2S B20A	4 - 20 cmH <sub>2</sub> O	CPAP, S, AutoS
G2S B25A	4 - 25 cmH <sub>2</sub> O	CPAP, S, AutoS
G2S B20T	4 - 20 cmH <sub>2</sub> O	CPAP, S, T, S/T
G2S B25T	4 - 25 cmH <sub>2</sub> O	CPAP, S, T, S/T
G2S B30T	4 - 30 cmH <sub>2</sub> O	CPAP, S, T, S/T
G2S B25VT	4 - 25 cmH <sub>2</sub> O	CPAP, S, T, S/T
G2S B30VT	4 - 30 cmH <sub>2</sub> O	CPAP, S, T, S/T
G2S LAB	4 - 25 cmH <sub>2</sub> O	CPAP, AutoCPAP, S, AutoS, T, S/T
G2S B30AT	4 - 30 cmH <sub>2</sub> O	CPAP, AutoCPAP, S, AutoS, T, S/T

## RESmart GII Series

With RESmart GII, you will be fully supported on the path of treatment. Either CPAP or bi-level pressure is designed to maximize your comfort.



- Meet the requirements of SDB therapy and home / clinical ventilation
- Automatically adjust the IPAP to support the patients to get proper tidal volume, makes ventilation more secure. (Y Series only)
- Complete ventilation practical functions, such as Manual P, Ramp, Reslex, Automatic leak compensation, I Sens, E Sens, TI Control, Auto On, Auto Off, Mask type selection and Real time monitoring
- Professional data management  
RESmart nPAP Data Analysis Software, PAP Link App, Respiratory Data Management Platform
- Various data transfer  
SD Card, iCode, iCode QR, iCode QR+, WiFi Kit and Cellular Module
- Eco Smart heating technology  
Patented H60 humidifier with innovative dual water chamber design, separate heating chamber reduced the energy consumption and maximized the humidification effect.
- Important information at a glance  
2.4-inch or 3.5-inch color screen, multi-language interface, real-time waveforms and parameters display
- Optional accessories  
Tube, SpO<sub>2</sub> Kit, Cellular Module, WiFi Kit and so on

Model	Working mode	Pressure range (cmH <sub>2</sub> O)	Screen	Device type
E-20C-H-O	CPAP	4 - 20	2.4-inch	CPAP
E-20A-H-O	CPAP, AutoCPAP	4 - 20	3.5-inch	Auto CPAP
E-20Aj-H-O		4 - 20	2.4-inch	
T-20S	CPAP, S	4 - 20	2.4-inch	Bi-level S
T-25S		4 - 25	3.5-inch	
T-20A	CPAP, S, Auto S	4 - 20	2.4-inch	Auto Bi-level
T-25A		4 - 25	3.5-inch	
T-20T	CPAP, S, T, S/T	4 - 20	2.4-inch	Bi-level S/T
T-25T		4 - 25	3.5-inch	
T-30T		4 - 30	3.5-inch	
U-20T		4 - 20	2.4-inch	
Y-25T	CPAP, S, T, S/T	4 - 25	3.5-inch	Bi-level S/T with target tidal volume
Y-30T		4 - 30		

06



Mask



## Waterless Humidification Mask Family



### P2H

- Minimalism design, easy to clean, assemble and fit
- The lightness makes everything under control.
- Wide-vision design contributes to convenient reading
- 3 cushion sizes are available for your appropriate option



### N5H

- The groove-fit cushion brings smart adjustment.
  - Platform-based main frame assists in quick assembly & disassembly.
- Different cushion sizes are compatible with the same main frame. Your expectation always matters.



### N5AH

- Forehead-frame-free design enlarges the horizon and expands the freedom.
  - Natural & swift contact comes easy by the groove-fit cushion.
- The ball & socket elbow relieves the dragging to the mask for more stable therapy.

## Nasal Pillows Interface

### P2

P2 Nasal Pillows Interface is so light and comfortable, while wearing you can hardly feel it.

- Minimalism design, light and comfortable
- Ball-and-socket joint, convenient and flexible
- Diffuse multi-vent holes, quiet and peaceful
- P2 Nasal Pillows Interface is so light and comfortable, while wearing you can hardly feel it.





## Nasal Mask

### N5 (S, M, L, XL)

BMC has been committed to developing quick fitting masks. N5 Nasal Mask was designed for better performance and more comfort during therapy.

- **AutoFit Cushion**  
Smart groove design on the cushion helps to automatically and effectively adjust on the nose bridge.
- **Compact Frame**  
Slim and clear forehead frame is able to fit 4 cushion sizes.
- **Integrated Structure**  
Integration of cushion and cushion frame provides more stability and convenience.
- **Universal Elbow**  
Free elbow design enables the patient to enjoy ease of use.



### NSA (S, M, L, XL)

Forehead frame -free design enables you to enjoy more vision.

- **AutoFit Cushion**  
Smart groove design on the cushion helps to automatically and effectively adjust on the nose bridge.
- **Compact Design**  
NSA is composed of 3 parts only.
- **Liberty of Vision**  
Based on the forehead frame-free design, users can read before they go to sleep.
- **Easy Release Clips**  
Easy release clips provide the user with more ease of use.



### NSB (S, M, L, XL)

- Thanks to the minimal contact design, less pressure is imposed on the face.
- The groove design on the cushion plus the ball and socket elbow cares about your feelings.
- The mask frame is compatible with different cushion sizes by one-click lock.
- The crown-style headgear provides the user with more ease of use.



### NM4

Life is composed of family, health and joyful breath. With new era of design, highly integrated NM4 is exquisite, swift and smart.

- **Auto Fit**  
Supporting frame automatically adapt to any forehead distance.
- **Pad free**  
Innovatively remove the forehead pad to reduce the contact area. Minus is a plus.
- **Flash your use**  
The simplest structure ever is all you need.



## Full Face Mask

### F5

F5 do renovates your impression of full face mask with slim frame, groove-fit cushion and easy clip. All of the components above enable the patient to enjoy the ease of full face therapy.

- **Slim Frame**  
Transparent and slim main frame minimize the effect to your vision.
- **Groove-fit Cushion**  
Single layer of soft cushion with intelligent groove design fits different face shapes.
- **Easy Clip**  
Classic clip helps to lock or release as easily as possible.
- **Ingenious Swivel**  
Detachable swivel design separates mask from tubing conveniently when needed.



### F5A

F5A is one of the newest full face series. It is capable of auto adaptation to the nose bridge. Simple structure and light weight provide you with more comfortable and effective therapy.

- **Auto-adaptation**  
The groove on the cushion is able to adapt itself to the nose bridge, maintaining low air leakage and limited face pressure.
- **Liberty of vision**  
Based on the forehead frame-free design, users can embrace more vision with ease.
- **Anti-asphyxia valve**  
Under the premise of security, the position of anti-asphyxia valve is adjusted in order to achieve more functions on a smaller elbow.
- **More comfort**  
Due to the single-layer transitional design, the cushion touches the nose and face softly.



### F4

F4 specifies our commitment to the patients who are seeking for user-friendly NIV interface solution.

- **AutoFit cushion**  
The shaped groove on the cushion provides an inclusive range adapting to most of the face contours.
- **Slim forehead brace**  
A balance between the reinforced stability and the widened vision is achieved by the slim brace inspired by the minimalist concept.
- **Multifunctional port**  
Two embedded ports on the bilateral sides of the main frame make the oxygen input or pressure titration as convenient as possible.
- **Bail & socket elbow**  
The universal elbow allows the user to turn over freely as needed.
- **Platform-based frame**  
Three cushion sizes are compatible with the same frame. All size kit is available for your choice.



### BMC-FM2

Humanized design and ease-of-use features promise you a gentle therapy experience and sweet night sleep.

- **Simple**  
Less part promises you and anyone in your family can operate.
- **Light**  
Extreme light weight provides maximum comfort.
- **Soft**  
The soft cushion is built not only to ensure better seal performance but also to enhance the therapy comfort.



### F1B

F1B, double-cushion facial mask, is able to provide you with excellent respiratory care. Humanized design makes the therapy as comfortable as possible.

- **Double cushions, more stability**  
F1B keeps BMC's classic double-cushion design with more comfort and stability.
- **Accurate forehead adjustment**  
Wide adjustment range and accurate locations ensure the mask is able to fit most of the facial contours.
- **Upgraded headgear clips**  
Easy lock, quick release.
- **Multifunctional ports**  
Bilateral ports make the oxygen input or pressure titration as convenient as possible.





## Hospital Mask

### F3

F3 is designed to contribute to the reliable and convenient hospital NIV therapy.

- 4 interchangeable elbows available  
One mask body plus whichever elbow configuration needed in the package provide a multifunctional NIV therapy interface kit.
- Two multifunctional ports  
There are two ports on the main frame of the mask for pressure test and/or additional oxygen input.
- Four-point standard headgear  
The headgear is made of flexible and breathable material with stable performance and long service life.



### F2 NV1 & F2 NV2

They are customized for the patients who need ventilation treatment in hospital. They have less part and can be self-orientated used. Their ergonomic cushion design takes care of your feelings.

- Two options available  
F2 NV1 with AAV (anti asphyxia valve) and F2 NV2 without AAV, multiple options better meet the various needs for the ventilation application.
- Balance of performance and cost  
Based on the characteristics and requirements of hospital use, F2 NV1 / NV2 make the balance of excellent performance and affordable cost.
- Dual ports provide more options  
The compatible and multifunctional ports make the oxygen input or pressure titration as convenient as possible.





## Pulse Oximeter

CMS50DL / CMS50D / M130

BMC Pulse Oximeter is capable of providing the non-invasive pulse rate & oxygen saturation monitoring service in an easy & accurate manner. It is designed for hospital as well as home use.

### Free & relaxing

The soft silicone and the finger match well, minimum pressure felt.



#### Premium screen

High-resolution digital tube / LCD / OLED screen available



#### Smart display

SpO<sub>2</sub>, pulse rate, perfusion index and low-power indicators meet your demands.



#### Low power consumption

Auto off



#### Cute & portable

Around 50 g (2 x AAA batteries included)

## Configuration

Model	CMS50DL	CMS50D	M130
Screen type	Digital tube	LCD	OLED
Display orientation	1	4	4
Pulse rate	✓	✓	✓
SpO <sub>2</sub>	✓	✓	✓
Perfusion index			✓
Bar graph	✓	✓	✓
Wave graph		✓	✓
Low-power indicator	✓	✓	✓
Lightness adjustment		✓	✓
Alarm			✓



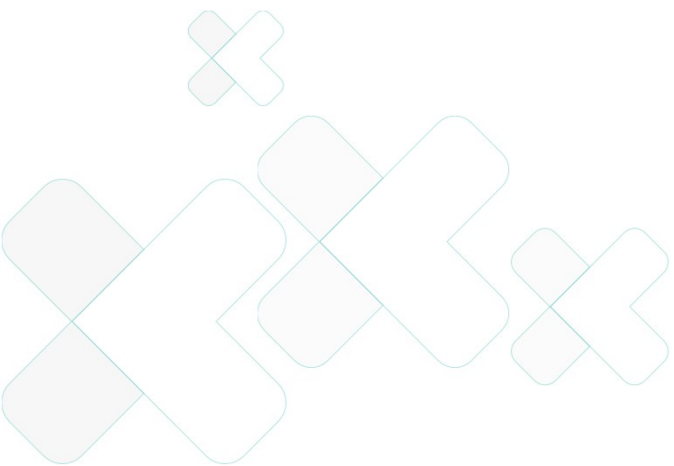
## Breathing Tube

L1 (D15, D19)



- **Light**  
Lightness is able to decrease the dragging to mask during therapy. Less weight means more freedom. Meanwhile, thanks to the slim design, it is much easier to be stored in the CPAP carry bag.
- **Durable**  
High quality material enables the tubing to slow down the aging process and improve the anti-corrosion performance.
- **Kink Resistant**  
Scientific spiral interval design makes the tubing more flexible and kink resistant.
- **Compatible**  
It is designed with 22 mm cuffs so that it is compatible with most of the CPAP devices.





**THANKS FOR  
WATCHING**

