AER Series

BPAP

BS500 / AS800 / ST25 / ST25A

- Unique 5 inches touching technology supported with knob navigation eliminate all barriers between seeing and using.

- With the help of timely waveform display function, more respiratory specifics of patient can be presented to the clinicians.

- Advanced ventilation algorithm in synchronization gives patient a real brilliant experience of free breath.

RESPRO

AER Series   BPAP

Basic information

Model	BS500 / AS800 / ST25 / ST25A
Intended use	OSA/respiratory insufficiency (only for 25ST)
User type	weight above 30 kg

Physical characteristics

Weight	1.35 kg
Size	238 x 178 x 128 mm
Screen	5 inches, color, touch screen
Noise level (ISO80601-2-70)	≤ 28 dB

Treatment parameters

Mode

BS500: CPAP, S

AS800: CPAP, S, Auto S

ST25: CPAP, S, S/T, T

ST25A: CPAP, S, T, Auto S, S/T, Auto S/T

E-COMP*

CPAP pressure range	4-20 cmH$_2$O
IPAP pressure range	4-25 ccmH$_2$O
EPAP pressure range	4-25 cmH$_2$O
EVAPS (only for 25ST)	
Static pressure accuracy	0.5 cmH$_2$O
Dynamic pressure accuracy	1 cmH$_2$O
PS (Pressure support)	0-10 cmH$_2$O (only for 25A)
Respiratory rate (Backup frequency)	0-50 bpm
Rise Time	Min 150–900 ms
Inspiratory trigger sensitivity	Auto, 1-5
Expiratory trigger sensitivity	Auto, 1-5
CSS (Cluster scheme setting)	

Comfort parameters

Respiratory event detection
Ramp
Auto ramp
IPR (Intelligent pressure release)
Auto altitude adjustable

Leakage compensation
Auto on/off
Mask fit
Circuit compensation

Value-added functions

Auto screen luminance adjustable
Energy saving mode
Time and alarm clock
Unit setting
Multi-language setting
Performance self-examination
Patient report on main screen
SpO$_2$, PR

Humidity function

Integrated humidifier
Auto humidity
Preheating
Heated tube
Anti-leakage in inclined water tank position
Water level detection
Intelligent tube drying

Data management

Data storage in main unit (1 year statistical data, 1 week high resolution data)
SD card high-resolution data storage (10 years)
Wireless transmission (WiFi, Bluetooth, GPRS)
Multi-platform synchronous data sharing for patients and clinicians (Android, iOS, Web)

Others

IP level	IP22

Accessories

SD card	Standard
Nasal mask	Standard
Full face mask	Optional
Nasal pillow mask	Optional
Tube (15 mm)	Standard
Tube (19 mm)	Optional
Heated tube (19 mm)	Optional
WiFi & Bluetooth module	Optional
Bluetooth SpO$_2$ watch	Optional
iMatrix intelligent cloud system	Optional

* E-COMP can help new patients gradually adapt the prescribed pressure by starting from 50% of prescribed pressure with 1 cmH$_2$O increment per day.

RESPRO