



AER Series

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.



3 years
warranty

RESPro

AER Series

BPAP

Basic information

Model	ST25A
Intended use	OSA/respiratory insufficiency
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

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

E-COMP*

CPAP pressure range	4-20 cmH ₂ O
IPAP pressure range	4-25 cmH ₂ O
EPAP pressure range	4-25 cmH ₂ O
EVAPS (only for ST25 & ST25A)	

Static pressure accuracy	0.5 cmH ₂ O
Dynamic pressure accuracy	1 cmH ₂ O
PS (Pressure support)	0-10 cmH ₂ O ST25A
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

SpO₂, 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
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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 cmH₂O increment per day.

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RESPRO