AER Series
AC20 - Auto CPAP

CE   FDA

3 years warranty

- REG algorithm can continuously monitor respiratory events, by analyzing of physical status of patients, and guarantee the delivery of the optimality of level of therapy.

- Auto ramp is designed for patient's comfort while falling asleep. System will maintain low pressure for patient to have easier start, till patient fell asleep. Then standard ramp will be implemented.

- Leakage compensation, circuit compensation and altitude compensation delivery the guarantee of best accuracy and synchronization.

RESPRO

AER Series APAP

Basic information

Model	AC20
Intended use	OSA
User type	weight above 30 kg

Physical characteristics

Weight	1.35 kg
Size	238 x 178 x 128 mm
Screen	3.5 inches, color
Noise level (ISO80601-2-70)	≤ 28 dB

Treatment parameters

Mode	CPAP, APAP
E-COMP*	
R-CARE**	
CPAP pressure range	4-20 cmH_2O
Static pressure accuracy	0.5 cmH_2O
Dynamic pressure accuracy	1 cmH_2O
Inspiratory trigger sensitivity	Auto
Expiratory trigger sensitivity	Auto

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 avoidable 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

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* E-COMP can help new patients gradually adapt the prescribed pressure by starting from 50% of prescribed pressure with 1 cmH_2O increment per day.

** R-CARE allows patients to start from 95% of the therapeutic level accumulated in APAP mode to reduce the incidence of predormitium respiratory events.