

RESmart GII BPAP (U-25T) System

Bi-level Positive Airway Pressure

With Ti Min/Ti Max



RESmart GII BPAP Series provide non-invasive ventilation for patients with respiratory insufficiency in hospital or at home. Ti Min/Ti Max ensure inspiration time and improve the treatment effect significantly.



Professional precision

- Real time monitoring: Tidal Volume (Vt), Respiratory rate (Res Rate), Minute ventilation (Min Vent), Leakage (Leak)
- Quick and easy operation.
- Innovative tracking technology ensures accurate and comfortable therapy.
- Unique sensitivity settings offer comfortable individual therapy.
- Auto on/Auto off function
- Power off alert.
- Tube & mask disconnected alert.
- Automatic leakage and altitude compensation

Ergonomic and powerful design

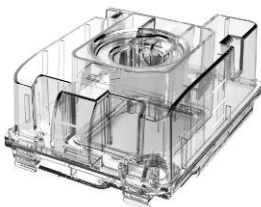
- 2.4-inch Color LCD Display

Real time pressure & flow wave display.

- SpO₂ Kit

Blood oxygen saturation and pulse rate display.

- Eco Smart Technology



Eco Smart heating system with innovative dual water chambers design. Optimum humidity and temperature are delivered to patient after traveling through the heating chamber.

Accurate water quantity control, with real time compensation.

Eco Smart warm up, high efficiency, lower water bills.

- iCode II



Compliance Data is encoded by QR code.

Google play and APP store apps are available.

More information-less information input

- Ti Min/Ti Max

Ensure inspiration time. Improve the treatment effect significantly.

- Dynamic parameters adjustment.
- Multiple data retrieval(SD Card/ iCode II/ WiFi)

Optional accessories

- Heated tubing provides constant temperature and relative humidity - rainout protection
- SpO₂ Kit

RESmart GII BPAP System

BMC

U-25T

Target Tidal Volume

Pressure support automatically adjusts according to target tidal volume as to improve hypoventilation. Real time monitoring includes Pressure, Flow, Expiratory tidal volume (Vte), Respiratory rate (RR), Minute ventilation (MV), Leak, Inspiration time (Ti), SpO₂* and Pulse rate (PR)*.

01

02

Ventilation efficacy

Advanced leakage compensation promises adequate volume support. Ti Control, I/E Sense and Rise time guarantee better ventilation synchronization.



03

Other key features

BMC+ iCode App

SpO₂ Kit (Optional)

GPRS / Wi-Fi Kit (Optional, individually or combined with SpO₂ Kit)

* SpO₂ Kit required

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TECHNICAL SPECIFICATIONS

Device Size

Dimensions: 170 × 196 × 118 mm
290 × 196 × 134 mm (with humidifier)
Weight: < 1.5 kg
< 2.5 kg (with humidifier)

Product Use, Transport and Storage

	Operation	Transport and Storage
Temperature:	5°C to 35°C (41°F to 95°F)	-25°C to 70°C (-13°F to 158°F)
Humidity:	15% to 93% Non-condensing	15% to 93% Non-condensing
Atmospheric Pressure:	760 to 1060 hPa	760 to 1060 hPa

Mode of Operation

Continuous

Mode Comparison

	Work Mode	Pressure	LCD Screen
U-25T	CPAP, S, T, S/T	4-25 cm H ₂ O	2.4 inches

SD Card

With a capacity ≥ 2G, the SD card can record patient data and fault information. Furthermore, the language pack stored on the SD card enables you to change the language of the device.

AC Power Consumption

100 - 240 V AC, 50/60 Hz, 2.0 A max

Type of Protection Against Electric Shock

Class II Equipment

Degree of Protection Against Electric Shock

Type BF Applied Part

Degree of Protection Against Ingress of Water

IP22

Pressure Range

4 to 30 hPa (in 0.5 hPa increments), ≤ 30 hPa for CPAP mode, ≤ 30 hPa for the rest modes under single fault conditions.

Pressure Display Accuracy

± (0.5 hPa + 4%)

Ramp

The ramp time ranges from 0 to 60 minutes

Sound Pressure Level

<30 dB, when the device is working at the pressure of 10 hPa.

Sound Power Level

<38 dB, when the device is working at the pressure of 10 hPa.

SpO₂

Range: 0-100%

The margin of error for SpO₂ between 70% and 100% is ±3%. No strict accuracy requirements

for SpO₂ below 70%.

Pulse Rate

Range: 40-240 bpm

Margin of Error: ± 3%

Wavelengths

Red: 663 nanometers

Infrared: 890 nanometers

Maximal Optical Output Power

Less than 1.5 mw maximum average

Tube

Length: 6 ft. (1.83m)

Heater Settings

1 to 5(95 to 167°F/ 35 to 75°C)

Maximum Operating Pressure

30 hPa

Pressure Drop with Humidifier

<0.4 hPa at 60 LPM flow

Humidifier Performance

Humidity Output: No less than 10 mg H₂O/L

Environmental Conditions: Maximum airflow, 35°C, 15% relative humidity

Maximum Delivered Gas Temperature

<43°C

The Form and the dimensions of the Patient Connection Port

The 22 mm conical air outlet complies with ISO 5356-1

NOTE: specifications subject to change without prior notice.