RESmart GII **BPAP System**

U-25T / Y-25T / Y-30T

An intelligent technology, featured in the RESmart GII Y/U series, it delivers automatic solution for patients with OSA and/or respiratory insufficiency. Aligned with same platform as RESmart GII BPAP System, Y series adapt pressure automatically to patient's needs and provide a better synchronization.

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RESmart GII **BPAP System**

BMC

U-25T / Y-25T / Y-30T

01 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), SpO_2* and Pulse rate (PR)*.

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

SpO_2 Kit (Optional)

GPRS / Wi-Fi Kit (Optional, individually or combined with SpO_2 Kit)

* SpO_2 Kit required

5. Specifications

Device Size

Dimensions: 170 mm × 180 mm × 118 mm, or 290 mm × 180 mm × 134 mm (with the humidifier)

Weight: 1.5 kg, or 2.5 kg (with the humidifier)

Product Use, Transport and Storage

	Operation	Transport and Storage
Temperature:	5℃ to 35℃ (41˚F to 95˚F)	-25℃ to 70℃ (-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

Work Mode

CPAP, S, AutoS, AutoCPAP, S/T, T

SD Card

SD card can record patient data and fault information.

AC Power Consumption

100 – 240 V ～ 2 – 1 A, 50 / 60 Hz

Main Device offer to USB Communications Port

5 V ⎓ 2.0 A

Main Device offer to Humidifier

24 V ⎓ 1.5 A

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

IPAP: 4.0 ～ 20.0 hPa (only applies to Y-20T, U-20T); 4.0 ～ 25.0 hPa (only applies to Y-25T, U-25T); 4.0 ～ 30.0 hPa (only applies to Y-30T, U-30T, U-30AT); in 0.5 hPa increments.

EPAP: 4.0 ～ 20.0 hPa (only applies to Y-20T, U-20T); 4.0 ～ 25.0 hPa (only applies to Y-25T, Y-30T, U-25T, U-30T, U-30AT); in 0.5 hPa increments.

CPAP mode: 4.0 ～ 20.0 hPa

Under single fault conditions, ≤ 30 hPa for CPAP mode, ≤ 40 hPa for the rest modes.

Pressure Display Accuracy

± (08 hPa+4%)

Static Pressure Stability

±0.5 hPa

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.

Maximum Flow

Test Pressure (hPa)	4	9	15	20	25
Measured Pressure at the Patient Connection Port (hPa)	3	8	14	19	24
Average Flow at the Patient Connection Port (L/min)	93.2	97.6	98.1	98.5	99.1

SpO_2

Range: 0 ～ 100%

The margin of error for SpO_2 between 70% and 100% is ± 3%. No strict accuracy requirements for SpO_2 below 70%.

Pulse Rate

Range: 40 ～ 240 BPM

Margin of Error: ±1%

Wavelengths

Red: 663 nanometers

Infrared: 890 nanometers

Maximal Optical Output Power

Less than 1.5 mW maximum average.

Tube

Length: 6 ft. (1.83 m)

The Form and the Dimensions of the Patient Connection Port

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