# 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

**BMC Medical Co., Ltd.**

3/F, Building No.4, No.1 Xinxing Road, Wuqing District, Tianjin 301700, China

Tel: +86-22-8293 9881 Fax: +86-22-8293 9881 ext. 810 en.bmc-medical.com

# 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°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

***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***

±(0.8 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.