



Unitech  
Medical Systems



# RESmart Auto CPAP System

*Enhancing Health, Enriching Lives*



## About us

Welcome to the dynamic partnership between **Pristyn Medx** and **Unitech Medical System**, offers advanced medical equipment and solutions to healthcare professionals. Our mission is to enhance patient care, improve outcomes, and drive medical innovation

## Our Mission



Quality and Innovation



Customer-Centric Approach



Reliability and Trust



# RESmart Auto CPAP System

## G2S A20



## Product Description

The RESmart G2S A20 is an auto-adjusting pressure CPAP (Continuous Positive Airway Pressure) device with integrated humidifier, designed for the treatment of adult Obstructive Sleep Apnea (OSA), either in the hospital or at home. With its affable appearance, stable performance, excellent comfort features, let you and your family say goodbye to snoring trouble and enjoy the whole night's sleep.

## Affable Appearance & Easy Operation

- Designed with integrated humidifier, RESmart G2S is smaller, lighter and more affable.
- 2.4-inch color screen with user friendly interface.
- 3-button control panel, simple and easy to use.
- The water chamber with drawing structure and opening cover, is more convenient to fill water and clean.



## Stable Performance

- With optimized noise reduction design, the noise level is as low as 28 dB, no matter static or dynamic noise, it is controlled to be the low-frequency noise which is imperceptible to human being, makes you feel it quieter.
- Automatic leakage and altitude compensation ensure the therapy accuracy anywhere.

## Excellent Comfort Features

- Newly designed integrated humidifier has large heating plate (> 50 cm<sup>2</sup>), which ensures excellent humidifying capacity and improves comfort.
- Reslex exhalation pressure release feature let you fall asleep at a lower pressure easily.
- Auto on/off feature
- 15 mm tubing supported

## Powerful Data Transfer/Retrieval Solution



GPRS Kit



iCode / iCode QR  
iCode QR+



SD Card



Wifi Kit



## Various way of Sleep Report review

- Quick Report through Device Screen
- BMCares App
- BMCares Cloud Platform
- iCode web version ([www.bmc-icode.com](http://www.bmc-icode.com))
- RESmart nPAP Data Analysis Software (PC software)
- RESmart Software web version ([www.icodeconnect.com/quick/info](http://www.icodeconnect.com/quick/info))

## Complete Optional Accessories

RESmart G2S adopts a series of complete accessories to meet different usage scenarios and needs:

- SpO2 Kit
- GPRS / Wi-Fi Kit
- DC/DC Converter
- Power Bank (D1402)
- Heated Tubing





# Specifications

## Device Size

**Dimensions:** 274 mm × 184 mm × 115 mm

**Weight:** 1.9 kg

**Water capacity:** To maximum fill line 360 mL



## Product Use, Transport and Storage

### Operation

Temperature: 5°C to 35°C (41°F to 95°F)

Humidity: 15% to 93% Non-condensing

Atmospheric Pressure: 760 to 1060 hPa

### Transport and Storage

-25°C to 70°C (-13°F to 158°F)

15% to 93% Non-condensing

760 to 1060 hPa

## Heated Humidifier

· Humidifier Settings: off, 1 to 5 (95°F to

154.4°F / 35°C to 68°C)

· Humidifier Output: No less than 10 mg H<sub>2</sub>O/L

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

### Mode of Operation

Continuous

### Work Mode

Auto CPAP, CPAP

### SD Card

The SD card can record patient data  
and fault information

### AC Power Consumption

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

### Type of Protection Against Electric Shock

Class II Equipment

### Degree of Protection Against Ingress of Water

IP22

### Pressure Range

4 to 20 hPa (in 0.5 hPa increments), ≤30 hPa under  
single fault conditions.

### Static Pressure Stability

± 0.5 hPa

### Ramp

The ramp time ranges from 0 to 60 minutes.

### Sound Pressure Level

< 28 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



Test Pressures (hPa)	4	10	15	20
Measured Pressure at the Patient Connection Port (hPa)	3	9	14	19
Average Flow at the Patient Connection Port (L/min)	85	135	140	140

## Maximum Flow

**Dimensions:** 274 mm × 184 mm × 115 mm

**Weight:** 1.9 kg

**Water capacity:** To maximum fill line 360 mL

### Automatic leak compensation

The pressure error  $\leq \pm 1$  hPa when the air leakage is no more than 70 L/min.

### Pressure

**Range:** 0 to 20 hPa

**Margin of Error:**  $\pm (0.4 \text{ hPa} + 4\%)$

## SpO<sub>2</sub>

**Range:** 35% to 100%

The margin of error for SpO<sub>2</sub> between 70% and 100% is  $\pm 3\%$ .

No strict accuracy requirements for SpO<sub>2</sub> below 70%.

### Pulse Rate

**Range:** 30 to 240 BPM

**Margin of Error:**  $\pm 2\%$

### 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)

### Maximum Delivered Gas Temperature

$\leq 43^\circ\text{C}$

### The Form and the Dimensions of the Patient Connection Port

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






## Partner with us

**Pristyn MedX** is your ideal healthcare partner, dedicated to advancing medical solutions with innovative equipment and unwavering quality.

Experience the difference today.

 +91 636 652 7513

 [sales@pristynmedx.com](mailto:sales@pristynmedx.com)



To know more,  
Scan QR Code

