



RESmart CPAP System

G2S C20

The RESmart G2S C20 is a fixed-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 cm²), 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

- SD Card
- GPRS Kit
- Wi-Fi Kit
- iCode / iCode QR / iCode QR+

Various way of Sleep Report review

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

Complete optional accessories

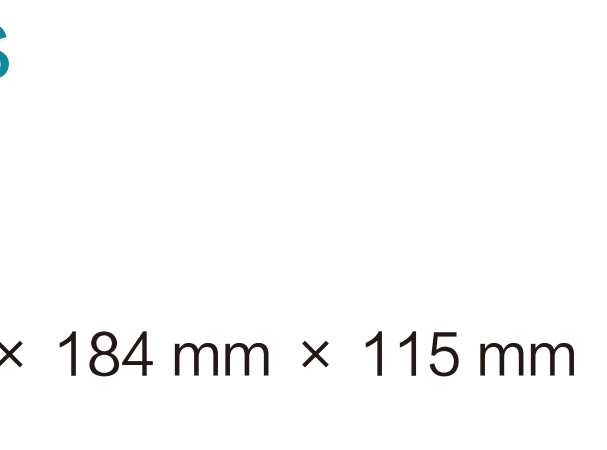
RESmart G2S adopts a series of complete accessories to meet different usage scenarios and needs:



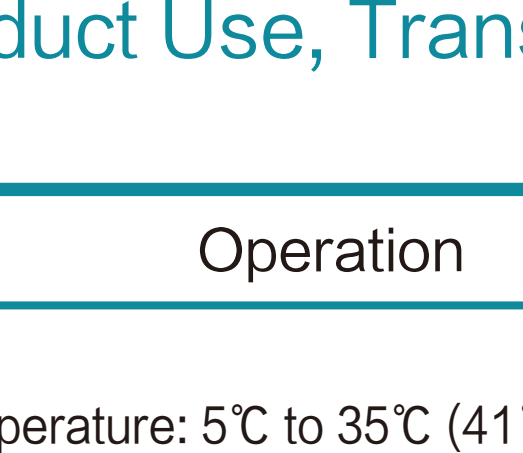
● SpO₂ Kit



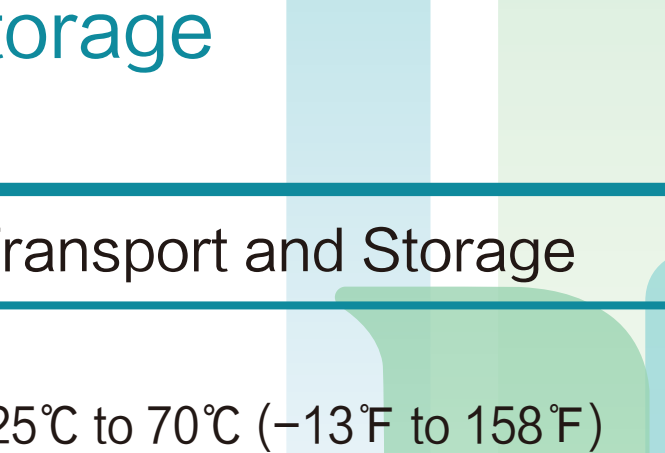
● Power Bank (D1402)



● DC/DC Converter



● GPRS / Wi-Fi Kit



● 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	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

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 H₂O/L

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

Mode of Operation

Continuous

Work Mode

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 Electric Shock

Type BF Applied Part

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

Maximum Flow

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

Automatic leak compensation

The pressure error ≤ ± 1 hPa when the air leakage is no more than 70 L/min.

Pressure

Range: 0 to 20 hPa

Margin of Error: ± (0.4 hPa + 4%)

SpO₂

Range: 35% to 100%

The margin of error for SpO₂ between 70% and 100% is ± 3%.

No strict accuracy requirements for SpO₂ below 70%.

Pulse Rate

Range: 30 to 240 BPM

Margin of Error: ± 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

≤ 43°C

The Form and the Dimensions of the Patient Connection Port

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

Specifications are subject to change without notice.

V1.0 2018-04