Stellar 100 system and accessories—ordering information

The following accessories may be purchased separately:

- H4i Heated humidifier* for Stellar
- SlimLine™ tube* 36810
- Mobility bag 24177
- Pulse oximeter 22305 (Oximeter cable 16936 (1 sensor and 25 tapes)
- FiO2 monitoring kit (does not include FiO2 monitoring sensor) 24959
- ResMed Power Station II* 24921 (Battery and bag)
- ResMed leak valve 24988
- Remote Alarm II* (without cables) ROW 27902

For more information on Stellar 100 please visit www.stellar100.com

Stellar™ 100
ADULT AND PAEDIATRIC VENTILATOR

Easy access to quality therapy

**Stellar 100 TECHNICAL SPECIFICATIONS**

- **Modes**
  - S/T (Spontaneous/Timed)
  - PAC (Pressure Assisted Control)
  - CPAP (Continuous Positive Airway Pressure)
  - S (Spontaneous)
  - T (Timed)

- **Pressure range**
  - IPAP: 2–40 cm H2O
  - EPAP: 2–25 cm H2O

- **TiControl**
  - Ti Max 0.1–4 sec
  - Ti Min 0.1–Ti Max

- **Respiratory Rate**
  - 5–60 bpm

- **Rise Time**
  - Min, 150–900 msec (approx.)

- **Trigger and Cycle**
  - Five sensitivity settings
  - Adjustable alarms
    - High Leak
    - Low Minute Ventilation
    - High Pressure
    - Low Pressure
    - High Respiration Rate
    - Low Respiration Rate
    - Apnea
    - High SpO2
    - Low FiO2
    - Low SpO2
    - Non-vented mask

- **Standard fixed alarms**
  - Circuit disconnected
  - Over pressure
  - Blocked tube
  - Internal battery empty

- **Dimensions** (L x W x H)
  - 230 x 126 x 26 mm

- **Weight**
  - 2.1 kg

- **Air filter**
  - Electromagnetic fibre mesh

- **Air outlet**
  - 22 mm taper, compatible with ISO 9365-1:2004

**RESMED POWER STATION II TECHNICAL SPECIFICATIONS**

- **Battery technology**
  - Lithium-ion

- **Power supply**
  - Input range 100–240 V, 50–60 Hz, 1.0–1.5 A
  - Nominal for aircraft use 110 V, 400 Hz

**RESMED Germany Inc.**
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**Stellar 100 features**

- Intuitive interface
- Internal battery
- Adult and paediatric ventilator
- Easy access to quality therapy
- Remote alarm
- SpO2
- FiO2
- ResMed leak valve
- ResMed leak valve
Stellar 100: easy access to quality therapy

From hospital care to homecare, invasive to noninvasive, paediatric to adult... ResMed's Stellar 100 ventilator offers high quality ventilation in one easy, accessible device.

Light, small and quiet, Stellar 100 offers an excellent solution for the healthcare professional and a practical and comfortable solution for your patients.

From setup to therapy management and monitoring, it’s the easiest way to establish confidence among clinical staff and carers.

More in one
NEW! Extra assurance with remote alarm: Stellar 100’s louder fixed and adjustable alarms are now complemented by a new Remote Alarm, so it is even more suited to hospital and care facilities or patients who need closer monitoring at home. The alarm can be extended to other areas in the home, hospital or care facility (such as the nurse’s station), and can be connected to a Hospital Alarm System.

Mobility and portability: equips patients for therapy on the move with an internal battery1, an optional external battery2 (the ResMed Power Station II) and the purpose-built Mobility bag to carry and protect the ventilator and accessories. The bag allows access to the Stellar user interface.

Integrated or external humidification options: the H4i™ Heated Humidifier for Stellar completely integrates with the ventilator if required. HumiCare D900 works as an external active heated option when consistent humidification in changing conditions is essential.

High oxygen delivery: the device can use up to 30 L/min of oxygen, so a high FiO2 can be reached.

Advanced technology
Low-inertia blower: comprised of ResMed’s unique low-inertia motor and impeller; delivers higher performance more quietly than a conventional motor.

Removable, replaceable air path: for easier and quicker device cleaning and servicing, minimising any down-time.

Vasnc and TiControl™: proven technologies work together providing control and flexibility to improve ventilation, comfort and sleep; these unique features offer better disease management, increased patient comfort and therapy acceptance as the patient’s breathing is more ‘in sync’ with their device.

Pathology Defaults: a choice of disease-specific preset values, based on commonly-used clinical values for obstructive, restrictive, obesity hyperventilation and normal lung mechanics. Advanced settings are optimised so medical staff can focus on fine-tuning primary settings for each patient.

Mask selection and fitting: selecting the correct mask in the user menu enables the device to compensate for differences in mask vent flow and impedance. This optimises patient comfort and patient-ventilator synchrony. The Mask Fit feature delivers flow before therapy begins, to test for excessive mask leak; it helps achieve the best fit for the patient without overtightening the mask.

Optional setup
Learn Circuit: at the push of a button, the device initiates this inbuilt test to measure and compensate for changes in circuit impedance (caused by the use of anti-bacterial filters, humidifiers and other accessories).

Real-time remote monitoring: EasyCare Tx software connects to Stellar 100 via the Tx Link, offering real-time remote titration, where settings can be changed remotely.

Summary data and reminders on the LCD: the Info Menu provides a snapshot of therapy information for seven sessions at a time, with easy scrolling for up to 365 sessions. It also provides patient reminders like filter and mask replacements.

Downloadable data: the device stores usage and summary data for up to 365 treatment sessions and seven days of high-resolution, breath-by-breath data (including SpO2 and FiO2); this can be downloaded via USB or cable, using ResScan™ software.

Data and monitoring