ResMed

Lumis™ 100
VPAP ST

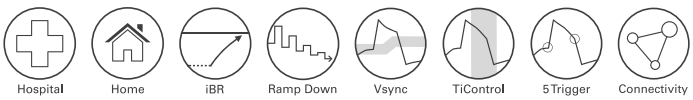
Personalised ventilation made easy

Lumis 100 VPAP ST is a noninvasive ventilator designed for spontaneously breathing non-dependent patients with respiratory insufficiency.

With an optional intelligent Backup Rate (iBR) feature available in ST mode, you can give your patients maximum opportunity to breathe spontaneously.

The ventilator is also easy to set up and use, and features built-in wireless connectivity to AirView™ for remote patient management.





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Individually responsive with IntelligentAir

IntelligentAir is a collection of ResMed technologies that can tailor therapy to individual breathing needs. Automatically adapting to changes during the night and at different stages of a patient's condition, IntelligentAir makes personalised ventilation possible.



iBR

intelligent Backup Rate (iBR)* gives patients maximum opportunity to trigger the ventilator. Staying out of the way until needed, iBR adds backup breaths to comfortably bring patients back to target.



Vsync

Vsync provides excellent patient–ventilator synchrony, even in the presence of significant leak.



TiControl

TiControl™ lets you set min and max limits on either side of the patient's ideal inspiratory time to encourage spontaneous breathing.



5Trigger

Trigger and cycle helps you optimise settings according to the patient's condition, using five trigger and cycle sensitivity levels.

*Available in ST mode

Key features

QuickNav for low-touch therapy adjustment
By simply double-clicking the home button on the device, you can quickly and easily toggle between the Settings screen (where you can make adjustments to your patient's therapy) and the Monitoring screen (where you can check the impact of those adjustments on the patient's therapy). It's that easy and efficient.

ClimateControl Auto for automatic humidification
When used with a HumidAir™ heated humidifier and ClimateLineAir™ heated tube, Lumis delivers humidification automatically – no settings to change and no complicated menus to navigate. So you can set your patients up to receive all the benefits of humidification as soon as they turn on their device.

Ramp and Ramp Down for extra comfort
Lumis offers both Ramp and Ramp Down features to help patients ease into and out of each therapy session. Ramp reaches the prescribed therapy level gradually and comfortably, while Ramp Down gradually reduces the pressure support and EPAP to help ease patients into spontaneous breathing.

AirView for remote patient management
Your patients' therapy data can be sent seamlessly and securely to AirView, where you can access it remotely, and gain timely access to the most recent therapy statistics and trend data. AirView's 'remote assist' and 'remote settings' changes also allow for easy and efficient device management.

Product codes

Lumis 100 VPAP ST	**28104**
Lumis 100 VPAP ST with HumidAir heated humidifier and ClimateLineAir Oxy tube	**28103**

Note: Technical specifications may change without notice. Always refer to your device user guide.

Technical specifications

Modes	CPAP, S, T, ST with optional iBR, PAC
Operating pressure range	2–25 cm H_2O (2–25 hPa) in S, T, ST and PAC modes 4–20 cm H_2O (4–20 hPa) in CPAP mode
Sound pressure level	26.6 dBA with uncertainty of 2 dBA as measured according to ISO 17510-1:2009 (CPAP mode)
Dimensions (H x W x D)	116 mm x 205 mm x 150 mm (Device only) 116 mm x 255 mm x 150 mm (Device with HumidAir humidifier)
Weight	1106 g (Device only) 1268 g (Device with HumidAir humidifier)
90W power supply unit	Input range: 100–240V, 50–60Hz, 57VA (typical power consumption) 108VA (peak power consumption)
Operating temperature humidity/altitude	+5°C to +35°C, 10–95% relative humidity, non-condensing/ sea level to 2,591 m; air pressure range 1013 hPa to 738 hPa
Storage and transport temperature/humidity	-20°C to +60°C/5–95% relative humidity, non-condensing
Housing construction	Flame retardant engineering thermoplastic
Supplemental oxygen	Recommended maximum flow: 15 L/min (CPAP, S, T, ST, PAC)
Standard air filter	Polyester non-woven fibre
Tubing	SlimLine™ and ClimateLineAir (15 mm); Standard (19 mm)
Air outlet	22 mm air outlet complies with ISO 5356-1:2004
Electromagnetic compatibility	Requirements (EMC) according to IEC60601-1-2: 2007 for residential, commercial, and light industry environments
Aircraft use	ResMed confirms that device meets the federal Aviation Administration (FAA) requirements (RTCA/DO-160, section 21, category M) for all phases of air travel
IEC 60601-1: 2006 classification	Class II (double insulation), Type BF Ingress protection IP22

ResMed Pty Ltd
1 Elizabeth Macarthur Drive
Bella Vista NSW 2153 Australia

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