



Lumis™ 150

VPAP ST-A

## Personalised ventilation made easy

Lumis 150 VPAP ST-A is a non-invasive ventilator with alarms designed for non-dependent patients with obstructive or restrictive respiratory conditions.

Featuring ResMed's unique volume-assurance mode – iVAPS (intelligent Volume-Assured Pressure Support) – Lumis 150 VPAP ST-A maintains target alveolar ventilation to suit each patient's changing needs. And with an intelligent Backup Rate (iBR) and optional AutoEPAP, iVAPS continuously monitors ventilation and the upper airway to deliver personalised ventilation.

Lumis 150 VPAP ST-A is also easy to set up and use, and features built-in wireless connectivity to AirView™ for remote patient management.





# Individually responsive with IntelligentAir

IntelligentAir is a collection of ResMed technologies – iVAPS, iBR and AutoEPAP – that can tailor therapy to individual breathing needs. Automatically adapting to changes at different stages of a patient’s condition, IntelligentAir makes personalised ventilation possible.



**iVAPS** learns each patient’s unique alveolar ventilation, sets appropriate targets then provides smooth pressure support to suit.



**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.



**AutoEPAP\*\*** maintains upper airway patency by auto-adjusting the expiratory pressure in response to partial and full obstructions. It also works to prevent events from occurring while the patient is asleep.

You can also provide further personalisation by fine-tuning Vsync, TiControl™ and 5 Trigger on a 'per patient' basis.



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



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



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

## 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 and Monitoring screens, so you can instantly check the impact of adjustments you make on the patient’s therapy.

### Climate Control Auto for automatic humidification

When used with a HumidAir™ heated humidifier and ClimateLineAir™ or ClimateLineAir Oxy heated tube, Lumis delivers humidification automatically – no settings to change, and no complicated menus to navigate.

### Ramp and Ramp Down for extra comfort

To help patients ease into a therapy session, the Ramp feature gradually and comfortably ramps the pressure up to their prescribed level. And to help ease them out of a therapy session, Ramp Down gradually reduces the EPAP and pressure support.

### AirView for remote patient management

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

### Alarms for confidence and safety

A set of fixed and adjustable alarms is also available for extra reassurance, and to help you personalise therapy for your patients. Alarms that you can set are high leak, low minute ventilation, apnoea, non-vented mask and low SpO<sub>2</sub> (when an oximeter is connected).

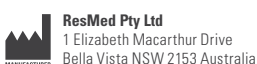
## Product codes

Lumis 150 VPAP STA	<b>28205</b>
Lumis 150 VPAP STA with HumidAir heated humidifier and ClimateLineAir Oxy heated tube	<b>28204</b>

**Note:** Technical specifications may change without notice. Always refer to your device user guide.  
\* iBR is available in iVAPS and ST modes. \*\* AutoEPAP is available in iVAPS mode.

## Technical specifications

<b>Modes</b>	CPAP, S, T, ST with optional iBR, PAC, iVAPS with iBR and optional AutoEPAP
<b>Operating pressure range</b>	2–30 cm H <sub>2</sub> O (2–25 hPa) in S, T, ST, PAC and iVAPS modes 4–20 cm H <sub>2</sub> O (4–20 hPa) in CPAP mode
<b>Sound pressure level</b>	27 dBA with uncertainty of 2 dBA as measured according to ISO 80601-2-70:2015 (CPAP mode)
<b>Dimensions (H x W x D)</b>	116 mm x 205 mm x 150 mm (Device only) 116 mm x 255 mm x 150 mm (Device with HumidAir heated humidifier)
<b>Weight</b>	1238 g (Device only) 1336 g (Device with HumidAir heated humidifier)
<b>90W power supply unit</b>	Input range: 100–240V, 50–60Hz, 57VA (typical power consumption) 108VA (peak power consumption)
<b>Operating temperature/humidity/altitude</b>	+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
<b>Storage and transport temperature/humidity</b>	-20°C to +60°C/5–95% relative humidity, non-condensing
<b>Housing construction</b>	Flame retardant engineering thermoplastic
<b>Supplemental oxygen</b>	Recommended maximum flow: 15 L/min (CPAP, S, T, ST, PAC); 4 L/min (iVAPS)
<b>Standard air filter</b>	Polyester non-woven fibre
<b>Tubing</b>	SlimLine™ and ClimateLineAir (15 mm); ClimateLineAir Oxy and Standard (19 mm)
<b>Air outlet</b>	22 mm air outlet complies with ISO 5356-1:2004
<b>Electromagnetic compatibility</b>	Requirements (EMC) according to IEC60601-1-2:2014 for residential, commercial, and light industry environments
<b>Aircraft use</b>	ResMed confirms that device meets the Federal Aviation Administration (FAA) requirements (RTCA/DO-160, section 21, category M) for all phases of air travel
<b>IEC 60601-1:2006 classification</b>	Class II (double insulation), Type BF Ingress Protection IP22



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