

## Vivo 40 with Target Volume

To ensure a successful transition from hospital to home, healthcare providers seek respiratory solutions that can be trusted, make life easier and enjoy dedicated personal support. Moreover, serviceability and cost of ownership must meet increasingly strict demands.

### A device you can trust

The Vivo ventilators are well trusted by patients and care givers as proven by more than 30,000 units sold worldwide. The Vivo 40\* provides both invasive and non-invasive support in PSV, PCV and CPAP mode. The adult and pediatric modes allow Vivo 40 to be used by a wide range of patients.

Thanks to eSync\*, the highly responsive trigger technology, the Vivo 40 synchronizes smoothly with the patient's breathing effort, leading to lower the work of breathing and higher the level of comfort.

The Target Volume feature aims for a stable tidal volume by automatically adapting the inspiratory pressure to the lung mechanics of the patient. Target Volume combines the comfort and technical advantages of pressure ventilation with the ease of use of volume ventilation.

*"Vivo 40 is easy to use, secure and effective".*

Dr Fernando Rua  
Hospital de Santo António,  
Porto (Portugal)

To ensure excellent control of the treatment, there are many ways to adapt the settings to the need of the individual patient. Apart from IPAP and EPAP, also rise time, trigger sensitivity and optional minimal and maximal Inspiratory Time can be set. The maximum pressure is 40 cm H<sub>2</sub>O which allows for the treatment of challenging restrictive conditions.

To provide security to patients and caregivers, the Vivo 40 contains a comprehensive set of alarms and an internal battery for independent use up to three hours. An external DC connection is available as an additional power source.

### Making life easier for patients and caregivers

The user interface and menu structure of the Vivo 40 are intuitive and consistent throughout the Vivo range. This makes the Vivo 40 easy to learn and easy to teach. It facilitates situations where multiple staff members work with the device. The optional humidifier is completely regulated through the ventilator and provides additional patient comfort. If data analysis or reports are required, data can easily be downloaded to a flash card.

- Enhanced trigger
- Enhanced display and look
- Improved humidification



*"Vivo 40 is a pleasant device, easy to operate. The interface is practical since it has no submenus – you directly reach the set-up you want. Moreover, the screen is quite large enabling you to see the settings and the patient parameters at the same time."*

Dr Christine Cheval, Centre Hospitalier, Hyeres (France)



Large screen and intuitive user interface



Integrated humidifier



Enhanced trigger function

### Designed for hospital and home environment

With its attractive Scandinavian design and small footprint the Vivo 40 is highly suitable for both hospital and home environments. The Vivo 40 will allow for a secure and comfortable transition from hospital to home.

- For paediatric (>10 kg) and adult use.
- Target Volume stabilizes tidal volume delivery
- Appropriate for invasive and non-invasive use
- eSync feature for synchronized breath delivery
- Designed for use at Home or in the Hospital
- Large, easy-to-read display with simple menu structure
- Designed for a wide range of masks
- Offers 3 Ventilation modes, 2 Device modes, 2 Patient modes (adult/pediatric)

- Low noise <30dB(A)
- Extensive alarm package
- Internal 3 hour battery
- Integrated Heated Humidifier
- Internal data/calendar memory
- Stable device with small footprint
- Large, easy-to-use buttons with backlight
- Worldwide mains power compatibility
- Flexible DC power options

# Technical Specifications

Settings/Performance			
Ventilation Modes	<ul style="list-style-type: none"> <li>• PSV (Pressure Support Ventilation)</li> <li>• PCV (Pressure Control Ventilation)</li> <li>• PSV +Target Volume</li> <li>• PCV +Target Volume</li> <li>• CPAP (Continuous Positive Airway Pressure)</li> </ul>		
Patient Modes	<ul style="list-style-type: none"> <li>• Adult</li> <li>• Paediatric (&gt;10 kg)</li> </ul>		
Device Modes	<ul style="list-style-type: none"> <li>• Clinical</li> <li>• Home</li> </ul>		
IPAP/EPAP	4 to 40 cmH <sub>2</sub> O / 2 to 20 cmH <sub>2</sub> O or IPAP -2 cmH <sub>2</sub> O		
CPAP	4 to 20 cmH <sub>2</sub> O		
Breath Rate	4 to 40 BPM		
Inspiratory Time	0.3 to 5 s		
Rise Time	1 to 9		
Inspiratory Trigger (eSync)	1 to 9, Off		
Expiratory Trigger	1 to 9		
Target Volume	200-1500 ml		
Expiratory Trigger	1 to 9		
Ramp function setting	10 – 60 min, Off (PCV, PSV and CPAP mode)		
Humidification setting	1 to 9 (10 to 30 mgH <sub>2</sub> O/L)		
Audible alarm setting	1 to 9		
Maximum flow	> 200 litres/min		
Minimal Inspiratory Time	Off, 0.3 – 3.0 s		
Maximal Inspiratory Time	0.3 – 3.0 s, Off		
Noise level (at 10 cmH <sub>2</sub> O constant pressure)	Less than 30 dB(A)		
Indications		Power Supplies	
Pressure; bar graph and digital data	0 to 40 cmH <sub>2</sub> O	Mains supply	100 to 240 V AC
Calculated tidal volume accuracy	± 20%	Internal battery / External battery	Capacity 3.8 Ah / 12/24 V DC
Leakage calculation accuracy	± 20%	Operating Conditions	
Total Breath Rate	BPM (Breaths Per Minute)	Recommended mask leakage	20 to 40 litres/min at 10 cmH <sub>2</sub> O
I/E Ratio	1 :10 to 10 :1	Minimum mask leakage	12 litres/min at 4 cmH <sub>2</sub> O
Alarms		Dimensions	
Audible Alarm Level	45 to 85 dB(A)	W x H x D	185 x 240 x 227 mm
Low pressure alarm, High pressure alarm, Low volume alarm, Low breath rate alarm, High breath rate alarm, Low leakage alarm, High leakage alarm, Low External DC Warning, Low internal battery warning, Low power alarm, Internal function failure alarms.		Weight	4.0 kg
		Air outlet	22 mm male conical standard connector

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