



**vivo65**  
by Breas

## From Hospital To Home

The Vivo 65 is an advanced homecare ventilator designed to deliver secure and comfortable (life-support) treatment to adult and pediatric patients from 5 kg. The Vivo 65 can be used for a wide variety of patients thanks to a comprehensive set of modes, circuits and accessories. The dual limb circuit allows for measurement of exhaled

volumes providing additional security. The extensive monitoring capabilities help obtain a better insight into the quality of ventilation. The Vivo 65 is an excellent choice for mechanical ventilation at home, in the hospital and in long-term care facilities. The Vivo 65 is prepared for connection to Breas cloud solutions.



### PERFORMANCE

- Highly accurate volume delivery and trigger sensitivity
- Comprehensive set of modes, including mouthpiece ventilation and SIMV
- Wide range of settings and alarms to adapt to individual patient's need
- Invasive and non-invasive ventilation; circuits with active exhalation valve and leakage port
- Measurement of exhaled volume with dual limb circuit for additional security
- Intuitive user interface with direct-access buttons
- Low noise level



### EXTENSIVE MONITORING

- Integrated SpO<sub>2</sub>, CO<sub>2</sub> and FIO<sub>2</sub> monitoring
- Numerical data, wave forms and trends on the display
- PC software enabling real-time monitoring, wave forms and loops, 365 days of data storage and detailed reports
- Prepared for connection to Breas cloud solutions



### FLEXIBILITY

- Robust Scandinavian design for hospital, home and mobile use
- Wide range of accessories for home and hospital use
- 12-Hour autonomy with the 4-h internal battery and the 8-h click-on battery combined
- Protective cover for safe outdoor use
- 3 Profiles to personalize treatment according to the patient's requirements



# VIVO 65 TECHNICAL SPECIFICATIONS

Settings / Performance	
Ventilation Modes	PSV, PSV(TgV), PCV SIMV, PCV, PCV(TgV), VCV SIMV PCV(A), PCV(A+TgV), CPAP, VCV, VCV(A), VCV MPV, PCV MPV
Patient Modes	Adult, Pediatric
Device Modes	Home, Clinical
Inspiratory Pressure	4 to 60 cmH <sub>2</sub> O
PEEP	Off, 2 cmH <sub>2</sub> O to 30 cmH <sub>2</sub> O
Breath Rate (PCV, VCV, MPV, SIMV)	4 - 60 bpm, 0 - 60 bpm in MPV mode
Inspiratory Time	0.3 to 5 s
Backup Inspiratory Time	0.3 to 5 s (PSV)
Rise Time	1 to 9 (PSV & PCV) 50 - 90 %, Off (VCV)
Inspiratory Trigger	1 to 9 (PSV, PCV & VCV), Off (PCV & VCV)
Expiratory Trigger	1 to 9 (PSV)
Minimum Inspiratory Time	Off, 0.3 to 3 s
Maximum Inspiratory Time	0.3 to 3 s, Off
Target Volume	50 - 2500 ml
Tidal Volume	50 - 2500 ml
Flow Pattern	Square, decelerating
Sigh Function	On/Off, rate (every 50-100-150-200-250 breaths), sigh% (125, 150, 175, 200%)
Monitoring	
Displayed data	Ppeak, PEEP, Pmean, Leakage, MVe/MVi, Vte/Vti, FiO <sub>2</sub> , % in TgV, Total Rate, Spont Rate, % Spont, SpO <sub>2</sub> , Pulse Rate, EtCO <sub>2</sub> , InspCO <sub>2</sub> , I:E, InspTime, Rise Time
Waveforms	Pressure, Flow, Volume, CO <sub>2</sub>
Trends over 1, 6, 24 and 48 h	Ppeak, PEEP, Total rate, Spont rate, Vt, Leakage, SpO <sub>2</sub> , EtCO <sub>2</sub>
Power Supplies	
Mains supply	100 to 240 V AC
External DC	24 V DC
Click-on battery	8 hours
Internal battery	4 hours
Main alarms	
Alarms	High Pressure, Low Pressure, High PEEP, Low PEEP, High Vte/Vti, Low Vte/Vti, High MVe/MVi, Low MVe/MVi, High Breath Rate, Low Breath Rate, Apnea, Disconnection, Rebreathing, High FiO <sub>2</sub> , Low FiO <sub>2</sub> , High SpO <sub>2</sub> , Low SpO <sub>2</sub> , High EtCO <sub>2</sub> , Low EtCO <sub>2</sub> , High InspCO <sub>2</sub> , High Pulse Rate, Low Pulse Rate, Low Last Power Source, Obstruction
Dimensions	
W x H x D	343 x 125 x 264 mm (343 x 125 x 285 mm with click-on battery)
Weight	5.4 kg
Noise level (at 10 cmH <sub>2</sub> O constant pressure)	Less than 30 dB(A)

## Intended use:

The Vivo 65 ventilator (with or without the SpO<sub>2</sub> and CO<sub>2</sub> sensor) is intended to provide continuous or intermittent ventilatory support for the care of individuals who require mechanical ventilation. The Vivo 65 is applicable for pediatric through adult patients weighing more than 5 kg or 11 lbs. The Vivo 65 with the SpO<sub>2</sub> sensor is intended to measure functional oxygen saturation of arterial hemoglobin (%SpO<sub>2</sub>) and pulse rate. The Vivo 65 with the CO<sub>2</sub> sensor is intended to measure CO<sub>2</sub> in the inspiratory and expiratory gas. The device is intended to be used in home, institution, hospitals and portable applications such as wheelchairs and gurneys. It may be used for both invasive and non-invasive ventilation.

