



# VIVO65

by Breas

The Vivo 65 is the latest ventilator of Breas Medical for use in the hospital, post-acute care institutions and the home. The Vivo 65 has been developed with the needs of professional caregivers and patients in mind in an effort to provide effective and comfortable treatment and help to reduce readmissions to the hospital. The Vivo 65 is an ideal choice for treatment of children (> 11 lbs / 5 kg) thanks to its accurate volume delivery and highly responsive trigger system. With its intuitive user interface, the Vivo 65 is easy to use and easy to teach.



## CLINICAL EXCELLENCE

- Excellent trigger and highly accurate volume measurement technology
- Extensive set of modes, including Pressure and Volume Modes, Mouthpiece Ventilation and SIMV
- A variety of patient circuits: Single limb with leakage or exhalation valve and dual limb for measurement of exhaled volume
- Extensive alarms
- Three profiles to quickly adjust the settings to the needs of the patient
- Simple menu structure
- i-Button explains functions and alarms with a single click



## CONNECTIVITY TO PC SOFTWARE

- PC software allows to monitor up to 10 Vivo 65 ventilators simultaneously
- Real-time monitoring and clear indication of alarms
- Waveforms and loops for in-depth analysis of treatment
- 365-day storage of data
- Facilitates workflows and timely intervention



## EXTENSIVE MONITORING

- Integrated monitoring of SpO<sub>2</sub>, FiO<sub>2</sub> and CO<sub>2</sub> helps reduce the need for external monitoring devices and reduce cost
- Numerical values and waveforms on the screen, multiple alarms
- CO<sub>2</sub> monitoring is quick and easy to use, does not require calibration and provides increased insight into the quality of ventilation



# VIVO 65 TECHNICAL SPECIFICATIONS

Settings / Performance	
Ventilation Modes	PSV, PSV(TgV), PCV, PCV(A), PCV(TgV), PCV(A+TgV), VCV, VCV(A), PCV-SIMV, VCV-SIMV, PCV-MPV, VCV-MPV, CPAP
Patient Modes	Adult, Pediatric
Device Modes	Home, Clinical
Inspiratory Pressure	4 to 50 cmH <sub>2</sub> O
PEEP	Off, 2 cm H <sub>2</sub> O to 20 cm H <sub>2</sub> O for Adult / 20 cm H <sub>2</sub> O Pediatric
Tidal Volume	50 - 2000 ml
Target Volume	50 - 2000 ml
Breath Rate	4 - 60 bpm, 0 - 60 bpm in MPV mode
SIMV Rate	4 to 60 bpm
Inspiratory Time	0.3 to 5 s
Backup Inspiratory Time	0.3 to 5 s
Rise Time	1 to 9 50 - 90 %, Off
Inspiratory Trigger	1 to 9
Expiratory Trigger	1 to 9
Minimum Inspiratory Time	Off, 0.3 to 3 s
Maximum Inspiratory Time	0.3 to 3 s, Off
Flow Pattern	Square, decelerating
Sigh Function	On/Off, rate (50, 100, 150, 200, 250), 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 I:E, Insp. Time, Rise Time, SpO <sub>2</sub> , Pulse Rate, EtCO <sub>2</sub> , InspCO <sub>2</sub>
Waverforms	Pressure, Flow, Volume, CO <sub>2</sub>
Trends over 1, 6, 24 and 48 h	Ppeak, PEEP, Total rate, Spont rate, Vti, Vte, Leakage, SpO <sub>2</sub> , EtCO <sub>2</sub>
Power Supplies	
Mains supply	100 to 240 V AC
External battery	24 V DC
Click-on battery	8 hours
Internal battery	3.5 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	13.7 x 4.7 x 10.4 inches (13.7 x 4.7 x 11.4 inches with click-on battery)
Weight	11.7 lbs (15.2 lbs with click-on battery)
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. Specifically, the ventilator is applicable for pediatric through adult patients weighing more than 5 kg (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. The Vivo 65 is not intended to be used as a transport or critical care ventilator.

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