The Vivo 55 is an advanced homecare ventilator designed to deliver secure and comfortable treatment to patients from 10 kg. The Vivo 55 can be used for a wide variety of patients, both life-support and non life-support, thanks to a comprehensive set of modes, circuits and accessories. The extensive monitoring capabilities help obtain a better insight into the quality of ventilation. The Vivo 55 is an excellent choice for mechanical ventilation at home, in the hospital and in long-term care facilities. The Vivo 55 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
- Intuitive user interface with direct-access buttons
- Low noise level

EXTENSIVE MONITORING

- Integrated SpO_2, CO_2 and FiO_2 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 55 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
Device Modes	Home, Clinical
Inspiratory Pressure	4 to 50 cmH_2O
PEEP	Off, 2 cmH_2O to 30 cmH_2O
Breath Rate (PCV, VCV, MPV, SIMV)	4 - 40 bpm, 0 - 40 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	100 - 2500 ml
Tidal Volume	100 - 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_2, % in TgV, Total Rate, Spont Rate, % Spont , SpO_2, Pulse Rate, $EtCO_2$, $InspCO_2$, I:E, InspTime, Rise Time
Waveforms	Pressure, Flow, Volume
Trends over 1, 6, 24 and 48 h	Ppeak, PEEP, Total rate, Spont rate, Vt, Leakage, SpO_2, $EtCO_2$
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_2, Low FiO_2, High SpO_2, Low SpO_2, High $EtCO_2$, Low $EtCO_2$, High InspCO2, High Pulse Rate, Low Pulse Rate, Low Last Power Source.
Dimensions	
W x H x D	343 × 125 × 264 mm (343 × 125 × 285 mm with click-on battery)
Weight	5.4 kg
Noise level (at 10 cmH2O constant pressure)	Less than 30 dB(A)

Intended use:
The Vivo 55 ventilator (with or without the SpO_2 and CO_2 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 10kg or 22lbs. The Vivo 55 with the SpO_2 sensor is intended to measure functional oxygen saturation of arterial hemoglobin (%SpO_2) and pulse rate. The Vivo 55 with the CO_2 sensor is intended to measure CO_2 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.

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