

HARMONY R200[®]

V E N T I L A T O R



Zen Ventilator is designed to assist in mechanical breathing for the patients with respiratory distress. The micro-flow differential pressure sensors and related DSP software ensures, patient breath response based ventilator function.

In set-ups where Air and Oxygen lines are not available, there is a provision to optionally connect the system with compressor and oxygen cylinder.



ZEN's SMART Design ensures Safety and Simplicity to minimize asynchrony of ventilator and the patient

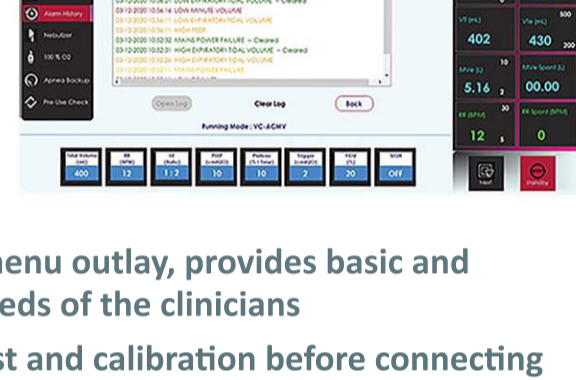


Easy to Use

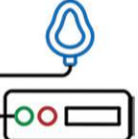


Safe & Reliable

Features:



- The large screen displays tabbed menu outlay, provides basic and detailed information as per the needs of the clinicians
- Facility available for system self-test and calibration before connecting to the patient with error display



- Touchscreen facilitates ease of operation



- Facility to connect an ultrasonic nebulizer if provided



- Audio/ Visual indications of Alarms



- Provision for humidifier is available

Technical Specifications

Modes - Invasive and Non Invasive	Invasive VC - CMV VC - ACMV VC - SIMV PC - CMV PC - ACMV PC - SIMV PRVC Non Invasive PSV CPAP
Input Settings	Respiratory Rate Tidal Volume PEEP Pressure Support Inspiratory Pause I: E Ratio Trigger Sensitivity FiO ₂ and Sigh
Output	Peak Inspiratory Pressure PEEP FiO ₂ (delivered) Tidal Volume (VTi and VTe) Minute ventilation Spontaneous Minute Ventilation Respiratory Rate Spontaneous Respiratory Rate
Calculated Values (Output)	Mean Airway Pressure (MPAW) Rapid Shallow Breathing Index (RSBI) Flow Rate Static Compliance (C stat) Inspiratory Time (Ti) Plateau Pressure (P plat) Airway Resistance Leakage percentage
Graphs	Shows graphs like Pressure vs Time Tidal Volume vs Time Flow vs Time
Loops	Loops like Pressure-Volume and Volume-Flow Rate
Triggers	Triggers for pressure with adjustable sensitivity
Alarms	The following are the different alarms available in the system
<u>Patient Alarms</u>	Low/High FIO2 Low/High Minute Volume Low Inspiratory Pressure High Pressure Low PEEP High PEEP Continuous High Pressure/Occlusion High Respiratory Rate Breathing Circuit Disconnect Low Tidal Volume
<u>Equipment Alarms</u>	Gas-Supply Failure Power-Failure Read/Write Error Ventilator Temperature Error System Failure Ventilator Inoperative Low Battery
General Information	Ventilator dimension: 500mm(L) X 500mm(W) X 530mm(H) Stand height with caster wheels: 600mm(L) X 500mm(W) X 880mm(H) Weight Ventilator device with stand 35Kg. Compressor weight 30Kg
Reports	Can record patient data and has option for printing reports through external printer



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