

# VT-3500D

## Ventilator



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ►► Specifications

Patient type	Adult, Pediatric and infant ( $\geq 5$ kg)
Ventilation modes	VCA, PCV, SIM(V)+PS, SIM(P)+PS, SPONT/CPA, Sigh PRVC, DualPAP, NPPV, Manual, Standby,
Tidal Volume	20-2000 mL
Ventilation frequency	1-100 bpm
Inspiration time	0.1-10S (increment:0.1S)
FiO <sub>2</sub>	21% - 100%
Flow trigger	0.5-20L/Min
Pressure trigger	-20-0 cmH <sub>2</sub> O
Pressure control	5-70 cmH <sub>2</sub> O
Pressure support	0-70 cmH <sub>2</sub> O
Electronic PEEP	0-50 cm H <sub>2</sub> O (increment : cm H <sub>2</sub> O)
Nebulizer	30 minutes
Direct access function	100% O <sub>2</sub> min, Inspiration hold, Expiration hold, Manual, Freeze, Lock
Monitoring	Volume: V <sub>TI</sub> , V <sub>TE</sub> , MVspont. Pressure: Ppeak, Pmean, Pplat, Pmin, PEEP, Freq Fspont, I:E, FiO <sub>2</sub> , Compliance, Resistance, RSB, P0.1, NIF, Autp PEEP, Rcexp, Cdyn Co <sub>2</sub> module (optional): EtCO <sub>2</sub>
Waveform	P-T, F-T, V-T, Optional: SpO <sub>2</sub> -T, EtCO <sub>2</sub> -T
Loop	P-T, F-V, F-P, Optional : Volume-EtCO <sub>2</sub> -T
Trend	Peak, FiO <sub>2</sub> , PEEP, MV, V <sub>TI</sub> , V <sub>TE</sub>
System Log	500 events (setting and alarm)
Alarm	Audio and visual alarms with three levels Volumes: V <sub>TI</sub> high/ low, MV high/low; Pressure: Paw high/low O <sub>2</sub> supply pressure high/low, Air Supply pressure high/low Apnea, Continuous high airway pressure Freq high/low, FiO <sub>2</sub> high/low SpO <sub>2</sub> low(optional) EtCO <sub>2</sub> high/low (optional) Power: AC power failure, Low battery power, Exhausted battery failure

- 20-2000ml (VCV); Applicable to adult, pediatric and infant
- Various ventilation modes for different needs of all patients
- 15 inch TFT touch screen & big font view for easy observation
- Touch screen & Navigation knob for simple operation
- Simultaneous display of 4 waveforms and 2 loops
- Optional CO<sub>2</sub> monitoring helps verify correct intubation and stability of metabolism
- Optional SpO<sub>2</sub> monitoring avoids deficiency of oxygen
- Synchronized nebulizer (optional)
- Low noise and water-free medical air compressor (optional)
- Expiratory valve could be taken off for autoclavable disinfection to avoid cross-infection
- Active exhalation valve with anti condensation design
- World leading brands of key components of ventilator ensure high accuracy and stable performance
- Advanced proportional solenoid technology realize accurate ventilation control
- Multi-safety mechanism and three-priority alarm of visual and audio for different risks

## Regulatory compliances



## Corporate Social Responsibility



**Analytical**  
**Foundation**

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)
2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.
3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

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