



e500

Automatic Transport Ventilator

A “New Era” in Controlled Ventilation

Multiple Modes, Compact, Lightweight, Easy to Use

The **e500** ventilator ushers in a “new era” in controlled ventilation for resuscitation and patient transport! These electronically controlled, pneumatically powered ventilators provide a range of ventilation solutions for resuscitation and transport in the pre-hospital and in-hospital healthcare professionals.

Simplicity The ventilation solutions offered by the **e500** cannot be compared to any other products of its type. The units are self-contained and only require attachment to a regulated oxygen supply and a transport ventilation circuit for immediate use. The easily replaceable, long lasting (18 -24 hour) battery can be charged while inside the ventilator or can be removed for charging and quickly replaced by a fresh battery pack. The display lighting has adjustable brightness for easy visualization of the ventilator settings in any ambient light conditions. Designed for a range of patient sizes (from large adult to infant), the **e500** comes in a very small and lightweight package.

Safety The continuous monitoring of ventilation parameters ensures that the device is always fully functional and ready for immediate use. The wide range of both visual and audible alarms provides the healthcare professional with warnings of any changes in patient or device parameters. Correction of any alarm is simple to achieve due to the compact and easy to operate control layout. The Intuitive Patient Apnea Backup (IPAB) mode provides additional security for the spontaneously breathing patient on CPAP by automatically commencing ventilations should their inspiratory efforts cease.

Specifications

Power Source	Compressed Oxygen
Circuit Control Source	Electric
Ventilation modes	SIMV,CPAP, Mask CPR (MCPR) Intubated CPR (ICPR) Quick Start Mode, Manual, Intuitive Patient Apnea Backup (IPAB)
Patient Size Range	15 Kg to large Adult
Ventilation Frequency/ Tidal Volume (f/ml)	12 preset Vt/BPM settings 100/20 to 650/10
Quick Start Mode Default VT/BPM	500/10
Manually triggered	Yes
Ventilation I:E Ratio	1:2
PEEP (cm H ₂ O)	Adjustable 4 - 20
CPAP (cm H ₂ O)	Adjustable 4 - 20
O ₂ (%) (FIO ₂)	60 or 100 (0.6 - 1.0)
Pmax (cm H ₂ O)	10 - 80
Pmin (cm H ₂ O)	0 - 20
Trigger sensitivity (L/min)	3
Apnea back up time (sec.)	Adjustable 10 - 60

Ordering information

01EVE500	e500 Transport Ventilator Incl. Six-foot gas supply hose*, Power supply*, Ventilator Circuit and test lung.
01EV7035	"e" Ventilator Smart Mount Multi-configuration Mounting Bracket
01EV7037	"e" Ventilator Transport System Carry Frame and Ambulance Mounting Bracket
01CV8030-Cs	O-Two Single-Use six foot Electronic Transport Ventilator circuit Case/10
01CV9100	Battery Pack
01CV8040-Cs	Intake Filter Assembly Case/10

* Specify Country of Use at time of ordering

Functionality The simplicity of operation of the **e500** provides controlled ventilation for both resuscitation and transport with the minimum of control adjustments required for simple patient set up. The range of Tidal Volumes and ventilation rates offered provide improved patient care for all resuscitation and transport situations in the pre-hospital and in-hospital setting. The inclusion of ventilation modes for “mask or protected airway CPR”, with visual and audible prompts, adds another dimension to the application of these products not found on other ventilators.

Controllability The **e500** provides an “ease of use” concept that is second to none. These products are designed to speed up and simplify the initiation of ventilations by simply choosing the rate/volume. There are no multiple screens to scroll through to establish patient ventilation parameters. The units have an initial, pre-set, start-up mode requiring only the selection of patient size to begin ventilation.

Economy In addition to the patient care benefits, the **e500** ventilator provides excellent low gas consumption and an extremely long battery operating time. This assists in providing controlled ventilation to the patient over an extended period, making the **e500** ventilator ideal for long transports where both electrical and oxygen supplies are always a critical concern.

Battery Operating time	18 hours for default settings
Built-in Battery charger	Yes
A/C power adapter	100-240VAC/ 19VDC, 4.74A
Patient circuit	O-Two electronic ventilator circuit
Mounting Bracket	Multi-configuration bracket
Display Type	4.3" Color TFT Screen
Live monitoring	Vm, vt, Paw (AV), PAW (Peak), F, BPM, Battery level
Real time waveform	Selectable Pressure or Flow
Adjustable display brightness	Yes
Parameter settings	Single, Multi Function Rotary Control
Lock key function	Yes
Pause function	Yes
Alarms (Visual and Audible):	Gas Supply Pressure, Pmax, Pmin, Low Battery, BCI, Apnea, Leak, Vm min, Vm max.
Audible silence	Yes, 120 seconds
Dimensions (mm)	250 x 200 x 155
Weight (Kg) with/without Battery	2.4 / 1.70

Warranty This product has a two year warranty against manufacturers defects.



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