

e700

Automatic Transport Ventilator



MULTIPLE MODES, COMPACT, LIGHTWEIGHT, EASY TO USE

The e700 ventilator is a high-performance, electronically controlled, pneumatically powered device designed for both invasive and non-invasive ventilation. It offers precise control and reliability in critical situations, making it ideal for both prehospital and in-hospital use.

With advanced ventilation modes, the e700 is versatile and suitable for a wide range of patient needs.

**LONG LASTING
BATTERY**
18h - 24h

ECONOMICAL
Low gas consumption

LIGHTWEIGHT
2.4 kg / 5.29 lbs



SIMPLICITY

The e700 ventilation solutions stand out uniquely in their category. These self-contained units only need connection to a regulated oxygen supply and a transport ventilator circuit for immediate use. With an easily replaceable, long-lasting battery lasting 18 to 24 hours, it can be charged inside the ventilator or swapped out quickly. The display lighting offers adjustable brightness for clear visibility in any lighting. Designed for various patient sizes, from large adults to infants, the e700 is compact and lightweight.

SAFETY

Continuous monitoring of ventilation parameters guarantees the device is always operational and ready for immediate use. A broad array of visual and audible alarms alerts healthcare professionals to any patient or device parameter changes. Corrections are easily made due to the compact and user-friendly control layout. The Intuitive Patient Apnea Backup (IPAB) mode enhances security for spontaneously breathing patients on CPAP by automatically initiating ventilations if their inspiratory efforts cease.

FUNCTIONALITY

The e700 offers sophisticated ventilation capabilities with ease of operation, catering to both resuscitation and transport needs with minimal control adjustments for patient setup. Its range of ventilation modes ensures ICU-level care while remaining user-friendly in various patient care and transport scenarios, both pre-hospital and in-hospital. Unique features such as ventilation modes for "mask or protected airway CPR," accompanied by visual and audible prompts, further enhance the versatility and application of these ventilators, setting them apart from others on the market.

CONTROLLABILITY

The operation of the controls of the e700 provide an ease of use concept that is second to none. These products are designed to speed up and simplify even the most complex ventilation set up. 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 e700 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 e700 ventilator ideal for long transports where both electrical and oxygen supplies are always a critical concern.

SPECIFICATIONS

DEVICE CLASS PER MDD	II b
CLASSIFICATION PER IEC60601-1	Protection against electric shock Class II Protection against electric shock Type BF Protection against water IP X4
POWER SOURCE	Compressed Oxygen, 45 to 87 PSI (3-6 Bar)
CIRCUIT CONTROL SOURCE	Electric
VENTILATION MODES	A/C (VCV,PCV), SIMV w/ PSV, BiLVL w/ PSV, CPAP w/ PSV, Mask CPR and Intubated CPR
SUPPORTING VENTILATION	PSV: 0, 4-35 cmH ₂ O (± 10% or ± 2 cmH ₂ O)
VENTILATION RATE	5 - 60 (± 10% or ± 1BPM)
MINUTE VOLUME (L)	Calculated
TIDAL VOLUME (ML)	50 - 2000 ± (4ml + 15%) BTPS *
TIDAL VOLUME IN CPR MODE (ML)	50 - 1400 ± (4ml + 15%) BTPS *
MAXIMUM DELIVERED FLOW (L/MIN)	100 - 120
MANUALLY TRIGGERED VENTILATION	Yes, set flow rate or pressure will be delivered during I time then Inspiratory hold
MAXIMUM INSPIRATORY HOLD TIME	6 sec.
I:E RATIO	1:4 - 3:1 (± 20%)
PEEP (CM H ₂ O)	0,4-20 (± 10% or ± 2 cmH ₂ O)
PSV	OFF, 4 - 35 (± 10% or ± 2 cmH ₂ O)
CPAP (CM H ₂ O)	4-20 (± 10% or ± 2 cmH ₂ O)
O ₂ (%)	60 or 100 (± 15%)
PMAX (CM H ₂ O)	10 - 80 (± 10% or ± 2 cmH ₂ O)
PMIN (CM H ₂ O)	0 - 20 (± 10% or ± 2 cmH ₂ O)
PCV (CM H ₂ O)	4-50 (± 10% or ± 2 cmH ₂ O)
TI (SEC.)	0.2 - 9 (± 20%)
TRIGGER SENSITIVITY (L/MIN)	1 -15, or 2 cmH ₂ O below baseline in CPAP mode only
INHALATION PRESSURE (CM H ₂ O)	4-50 (± 10% or ± 2 cmH ₂ O)
PRESSURE VENTILATION TERMINATION	20% - 80% of max. Flow
APNEA BACK UP TIME (SEC.)	10-60 (± 0.5s)
BATTERY OPERATING TIME AT ROOM TEMPERATURE (HRS.)	> 18 hrs for default settings (Data obtained using fully charged new battery)
ALTITUDE COMPENSATION	up to 4000m (13000 feet)
BATTERY HOT SWAP	No
BUILT-IN BATTERY CHARGER	Yes
AC/DC POWER SUPPLY	100-240 VAC/ 19 VDC, 4.74 A
PATIENT CIRCUIT	O-Two Electronic Ventilator Circuit
MOUNTING BRACKET	Mounting brackets for road ambulance and mobile setting
DISPLAY	4.3" Color TFT
LIVE MONITORING	Mve,Vte,Paw(AV),PAW(Peak), Rate (bpm), Battery level
REAL TIME WAVEFORM	Pressure or Flow
DAY/NIGHT DISPLAY MODE	Yes
PARAMETER SETTINGS	Control Selection Knob
LOCK KEY FUNCTION	Yes
PAUSE FUNCTION	Yes
NOISE LEVEL IN NORMAL USE	Less than 65 dBA
ALARMS (VISUAL AND AUDIBLE)	Gas Supply Pressure, Airway Pressure limits, Minute Volume limits, Battery status, APNEA, Breathing Circuit Integrity, Leakage and Blockage

AUDIBLE SILENCE	Yes, 120 second max		
DIMENSIONS (MM)	250 x 200 x 155		
WEIGHT (KG/LBS) WITH/WITHOUT BATTERY	2.4/1.77 5.29/3.9		
INTERNAL VOLUME OF THE COMPLETE RESPIRATORY SYSTEM (REUSABLE AND DISPOSABLE)	approx. 690 ml without mask approx. 800 ml with mask		
DEAD SPACE OF PATIENT VALVE WITH ELBOW	Approx. 35 ml		
COMPLIANCE (DISPOSABLE) HOSE SYSTEM	16.6 ml/kPa		
RESISTANCE OF PATIENT HOSE SYSTEM (INHALATION AND EXHALATION):	Less than 6 cmH ₂ O at 60 l/min & Less than 6 cmH ₂ O at 30 l/min		
ENVIRONMENT CONDITION	Ventilator	Operating-Continuous	- 18°C to +50°C, Rh: 15% to 95%
		Operating- Transient**	- 20oC to +50oC, Rh: 15% to 95%
		Storage	- 40°C to +60°C, Rh: 15% to 95%
	Battery Pack	Charge	0°C to +40°C
		Discharge	- 20°C to +60°C
		Storage	- 20°C to +35°C, low humidity and no corrosive gas atmosphere.
	Patient Circuit	Operating	- 18°C to +50°C, Rh: 15% to 95%
		Storage	- 20°C to +60°C, Rh: 15% to 95%

* BTPS: Volume measurements corrected to Body temperature 37°C and Barometric pressure 101.3kPa under saturated conditions (100% Humidity).
Note: Measurement uncertainty: 5% for volume parameters and 6% for pressure parameters.

****Transient Operation:** The e700* is capable to keep its specifications when operated in normal use for a period not less than 20 minutes under - 20oC and +50oC. This ensures a typical long duration for emergency treatment at the scene prior to timely removal of the patient to the next point of care. It is highly recommended that the patient, the ventilator and the operator be moved to a more controlled environment in case of extreme temperatures and humidity levels.

ORDERING INFORMATION

01EVE700	e700 - Electronic Automatic Transport Ventilator c/w Disposable Patient Circuit, Resuscitation Mask, 6 Foot Supply Hose*, Calibrated Test Lung and Power Supply (Specify Country of Use)	Each
01CV8030-CS	O-Two Medical Single-Use Electronic Transport Ventilator 6 Foot Circuit with Protective Sleeve. For e500, e600 and e700	Case/10
01CV7035	O-Two Medical "e" Series Ventilator "Smart Mount" Multi-configuration Mounting Bracket (Ambulance Cot, Hospital Stretcher, Bed, Roll Stand)	Each
01CV8040-CS	O-Two Medical "e" Series Ventilator Replacement Intake Filter/Cover	Case/10
01TA1852	O-Two Medical "e" Series Ventilator Replacement 1 Litre Test Lung with Compliance Restrictor	Each
01FV4303-DISS	O-Two 6 Foot (1.85 Meter) O ₂ Supply Hose with 9/16 DISS Nut and 9/16" DISS Nut Ventilator Connection	Each
01CV9100	O-Two Medical "e" Series Replacement Lithium Ion Replacement Battery	Each
01CV0105	Power Supply - eSeries	Each
01CV0106	Power supply cord for eSeries power supply	Each
01CV0102-EU	Power supply cord for eSeries power supply	Each
01CV7050	eSeries Automatic Transport Ventilator Carrying Case - With sling-style shoulder strap (specifically designed for eSeries)	Each
01TA7650	Leak test kit for e-vents	Each

THIS PRODUCT HAS A TWO YEAR WARRANTY AGAINST MANUFACTURERS DEFECTS.

www.otwo.com

45A Armthorpe Road, Brampton, ON, Canada, L6T 5M4

Telephone: +1 905 792-OTWO (6896) N.A. Toll Free: +1 800 387 3405

Facsimile: +1 905 799 1339 Email: resuscitation@otwo.com



MedNet EC-REP llb GmbH Borkstrasse, 10
48163 Münster, Germany

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