MEDUMAT Easy CPR

Voice-directed ventilator optimized for Cardiopulmonary Resuscitation

MEDUMAT Easy CPR is extremely safe and easy to use. The voice-directed device assists trained first aid workers, emergency medical technicians and First Responders with emergency ventilation and CPR procedures. CPR mode features a metronome function that gives the right frequency for Cardiopulmonary Resuscitation. Furthermore, in CPR mode a ventilation can be manually triggered on the mask via MEDUtrigger. The demand flow mode makes oxygen inhalation particularly economical by giving the patient a high dose of O_2 only as needed during inspiration.

MEDUMAT Easy CPR and ventilation mask with MEDUtrigger, WM 28140

Maximum Therapy Comfort

- CPR mode:
  - Voice prompts for Cardiopulmonary Resuscitation in accordance with current guidelines (ERC, ILCOR)
  - Metronome function for assistance with chest compressions
  - Manual trigger for ventilation on ventilation mask or tube by means of MEDUtrigger

- Demand flow mode:
  Reduced oxygen consumption made possible by intelligent oxygen inhalation via ventilation mask: The patient receives a high dose of oxygen only during inspiration.

- Suitable for mask and tube ventilation; the simple change to ventilation pressure limit is made via a switch (20 mbar / 45 mbar).

- PEEP ventilation can be used over connection to PEEP valve

Great Operating Convenience

- Controlled emergency ventilation (IPPV) can be set with rotary dial (time-controlled and volume-constant)

- Manual trigger of ventilation on ventilation mask without compromising mask fit

- Illuminated display for ventilation monitoring

- Can be accommodated on LIFE-BASE portable system and in Weinmann emergency backpack

- Smallest and lightest ventilator in its class

High Level of Safety

- Safe use with voice prompts (available in several languages) and simple operation

- Visual and acoustic alarms enhanced by voice prompts

- MEDUMAT Easy CPR, wall mount and portable system comply with EN 1789 (vibration and shock-resistant).

Device description and implemented languages	WM-Nr.
MEDUMAT Easy CPR Ventilator (DE, EN, FR, IT, ES, PT, NL, NO, SV, DA, FI, IS)	28140
MEDUMAT Easy CPR Ventilator (DE, EN, RU, PL, CS, ZH, JA, AR, FA, TR, TH, ID)	28160

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Accessories (selection)

1	**Patient hose system with patient valve (reusable)**	**WM 22520**
2	**Patient hose system with patient valve (disposable)**	**WM 28110**
3	**PEEP valve with connection cone**	**WM 3215**
4	**Ventilation mask with inflatable seal of silicone**	
	Size 5 for adults	**WM 5074**
	Size 3 for children and adolescents	**WM 5082**
	Size 1 for infants	**WM 5086**
■	**Reusable protective sleeve** for ventilation hose and MEDUtrigger connection cable	**WM 8297**

Our complete offering of system solutions for Emergency and Transport Medicine can be found at **www.weinmann.de**

MEDUMAT Easy CPR is available on different portable systems, such as:

LIFE-BASE III with MEDUMAT Easy CPR
WM 9155

LIFE-BASE III MANV with MEDUMAT Easy CPR, MODUL Oxygen and 3-way administrator
WM 8000

RESCUE-PACK with MEDUMAT Easy CPR
WM 9071

Technical Data MEDUMAT Easy CPR

CE 0197

Certified Quality Management System meeting EC directive 93/42/EEC, Annex II (EN ISO 9001:2000/EN ISO 13485)

Product class as per 93 / 42 / EWG:	IIb
Protection from water:	IPX4
Fulfilled norms:	EN 794-3, EN 60601-1, EN 1789
Dimensions (W x H x D):	100 x 145 x 90 mm incl. connections
Weight:	about 0.6 kg
Temperature	
■ **Operation:**	-18 °C to +60 °C
■ **Storage:**	-40 °C to +70 °C
Operating gas:	medical grade oxygen
Operating pressure:	2.7 to 6 bar*
Power supply	
■ **Lithium batteries (accessible from outside the device):**	3.6 V; 5.2 Ah, expected service life > 2 years
Setting options:	- Deactivate voice prompts - Deactivate CPR metronome - Two device versions with two different groups of 12 languages

IPPV ventilation	
■ **Ventilation frequency:**	infinitely adjustable from 10 to 30 min^{-1}
■ **Tidal volume (Vt):**	infinitely adjustable from 0.1 to 1.1 l

■ **Correlation of tidal volume to ventilation frequency:**	f (min^{-1})	30	16	11	10	10
	V_t (ml)	100	300	600	900	1100

■ **Max. ventilation pressure:**	20 or 45 mbar*
■ **Double stroke process:**	upon reaching max. ventilation pressure (i.e., by means of chest compressions)
Demand Flow mode	
■ **Trigger:**	< 1 mbar*
■ **Peak flow:**	> 40 l/min
■ **Cut-out pressure:**	3 mbar*
Visual alarm with voice prompts and alarm signal in the event of:	- stenosis - disconnection/Apnea - decrease of O_2 supply pressure (< 2.7 bar) - battery discharged/device breakdown

* 1 mbar ≙ 1 hPa

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