

VENTIlogic

TA mode – Timed Adaptive ventilation: the more intelligent ST alternative

The home mechanical ventilator VENTIlogic uses the patented Timed Adaptive ventilation mode which makes it extremely easy for the device to adapt to each patient. VENTIlogic automatically analyzes the patient's breathing pattern and self-adjusts if the pattern changes during ventilation therapy. This intelligent ventilation based on the patient's own breathing pattern guarantees greater acceptance of the device and improved therapy compliance.

VENTIlogic incl. VENTI-O₂ plus, VENTIdlick and JOYCE GEL



VENTI-O₂ plus

Display view

Online monitoring and visualization

- Numeric and graphic ventilation parameters
- Curves shown online in the display or optionally with additional tools on PC screen
- Display of change from spontaneous (trigger) to mandatory breath
- Settings made off-line or online during operation

Innovative operation

- Auto-Start: The device is turned on with the first inspiratory breath.
- Intuitive user guidance with push-dial: select, change, confirm.
- Direct access to most important ventilation parameters
- Volume compensation set with targeted tidal volume
- Simple and economical hygiene concept for change of patient with Weinmann Hygienebox

Accessories and therapy assistance

- Adaptable humidifier (VENTIdlick) without additional power supply or hose
- Adaptable oxygen valve (VENTI-O₂ plus) without additional hosing: no impairment of trigger and volume compensation by oxygen feed up to 15 L/min
- Optional external battery (VENTIpower) guarantees device operation for several hours.
- PC software for patient settings and therapy analysis. Use of optional analog box makes online presentation of ventilation parameters (in curves) possible.
- Compatible accessories for all Weinmann VENTI-devices
- Versatile Weinmann mask system: JOYCE, JOYCE Full Face and gel masks



Accessories

- 1 **VENTlick – WM 24365**
Humidifier
- 2 **VENTpower – WM 24100**
External battery
- 3 **VENTI-O₂ plus – WM 27210**
Oxygen valve
- 4 **VENTIsupport – WM 93340**
PC software for setting and analysis

Our complete range of therapy solutions, accessories and mask systems is at: www.weinmann.de

Technical Data VENTIllogic



Product class as per directive 93/42/EEC: II a		Respiratory rate:	6 to 45 1/min
Dimensions (W x H x D): 230 x 125 x 340 mm		Precision:	±0.5/min
Weight: approx. 4.5 kg		Increment:	1/min
Temperature range		I:E ratio	
■ Operation: +5 °C to +35 °C		■ Inspiration time:	20% to 67% of respiratory period
■ Storage: -40 °C to +70 °C		■ Increment:	1%
Air pressure range: 600 – 1100 hPa (allows operation at altitude up to 4000 m), automatic altitude adjustment		■ Precision:	±1%
Electrical connection: 115–230 V AC, 50–60 Hz Tolerance -20% +10%		Trigger stage:	Adjustable in six stages, separate for inspiration and expiration, trigger for expiration can be deactivated in ST mode (equivalent to PCV mode)
Power consumption at		Pressure increase/decrease speed:	adjustable in six stages
■ Operation: 230 V 0.2 A 115 V 0.4 A		Precision in volume measurement:	at 23 °C: ±15%
■ Standby: 0.043 A 0.068 A		Flow at max. speed at 0 hPa:	300 l/min ±15 l/min
Classification as per IEC 60601-1		Flow at max. speed with bacteria filter at 0 hPa:	270 l/min ±15 l/min
■ Protection from electric shock: Class II		Heating of respiratory air as required in HMV:	2.5 °C
■ Degree of protect. from el. shock: Type B		Pressure constancy measure as per DIN EN ISO 17510 in CPAP mode:	at 20 hPa: Δp ≤ 1 hPa at 14 hPa: Δp ≤ 1 hPa at 10 hPa: Δp ≤ 1 hPa at 7 hPa: Δp ≤ 0.5 hPa
Electromagnetic compatibility as per IEC 60601-1-2		Fine filter separation level up to 2 μm:	≥ 99.7%
■ Radio interference suppression: EN 55011		Fine filter service life:	1000 hours in normal ambient air
■ Radio interference resistance: EN 61000-3-2, EN 61000-3-3, EN 61000-4-2 to 6, EN 61000-4-8, EN 61000-4-11		Allowable humidity for operation and storage:	≤ 95% relative humidity (no condensation)
Mean sound pressure level/operation as per EN ISO 17510 in patient position one meter from device:		System resistance at air flow of 60 l/min at patient connection port	
at 20 – 35 hPa approx. 35 dB (A)		VENTIllogic with hose system WM 24130 and Silentflow WM 23600:	0.19 $\frac{\text{kPa} \cdot \text{s}}{\text{l}}$
at 20 hPa approx. 31 dB (A)		VENTlick WM 24365 and bacteria filter WM 24148:	0.29 $\frac{\text{kPa} \cdot \text{s}}{\text{l}}$
at 15 hPa approx. 29 dB (A)			
at 12 hPa approx. 27 dB (A)			
at 10 hPa approx. 25 dB (A)			
at 7 hPa approx. 23 dB (A)			
IPAP pressure range: 6 to 35 hPa			
EPAP pressure range: 4 to 20 hPa			
CPAP pressure range: 4 to 20 hPa			
Pressure precision: ±0.6 hPa			
Increment: 0.2 hPa (1 hPa = 1 mbar ≈ 1 cm H ₂ O)			
Minimum stable marginal pressure (PLS_{min}) (min. pressure in event of fault): ≥ 0 hPa			
Maximum stable marginal pressure (PLS_{max}) (max. pressure in event of fault): ≤ 60 hPa			

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