

SOMNOvent auto-S

home care

The intelligent combination of automatic BiLevel S therapy and autoCPAP

SOMNOvent auto-S is the first sleep therapy device on the market that combines the complete BiLevel S therapy spectrum with the advantages of autoCPAP. Titration and setting processes are minimized by the autoTriLevel principle.

Additionally a limited backup frequency ensures an adequate ventilation support according to the patient's need in order to prevent apneas. WMtrak, the sensitive automatic trigger technology by Weinmann, gives the patient a comfortable and natural breathing sensation under safe and efficient operating conditions. All these features combine to achieve a fast therapy success and to improve patient compliance.



SOMNOvent auto-S with SOMNOclick 300, WM 29250

JOYCE SilkGel, WM 26128

Therapy comfort

- Automatic BiLevel S therapy combined with the advantage of autoCPAP (= autoTriLevel)
- Fast therapy success thanks to three pressure levels that automatically adjust to the patient's needs (IPAP, EPAP, EEPAP)
 - Automatic regulation of end-expiratory pressure level EEPAP to eliminate obstructive events (= autoCPAP).
 - The automatic adjustment of Δ IPAP/EPAP (PDIFF) ensures goal-oriented ventilation in phases with increased need of ventilation.
- WMtrak, sensitive automatic trigger technology for natural breathing sensation.
- Extremely quiet
- Comfortable with Softstart and automatic ON/OFF switch

Convenient Operation

- Innovative operating concept based on goal-oriented therapy settings (Scopes):
 - Scope SOFT: comfortable pressure relief for OSA patients with high pressure needs or central apnea

- Scope SUPP: Protection from hypoventilation and desaturation by means of additional ventilatory support
 - Scope CONT: maximum unloading of respiratory muscles made possible by high degree of respiratory support
- When Scope is OFF, the relevant parameters can be entered manually. For greatest flexibility and significant time-saving processes in titration and settings.

- Convenient remote setting with SOMNOadjust or PC software WEINMANNsupport
- Extensive statistical data clearly presented
- Additional analog signals for PSG feed: flow, pressure, eakage, relative respiratory minute volume, respiratory status

Safety

- Backup frequency can be set (6 – 10 1/min) for reliable response in event of apnea
- Secure differentiation between obstructive and central events
- Mask test and leakage visualization for check of mask air-tightness

Device Description	WM No.
SOMNOvent auto-S	29200
SOMNOvent auto-S with SOMNOclick 300 humidifier	29250

partner for life

WEINMANN
medical technology

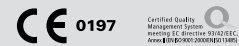


Accessories

- 1 **SOMNOclick 300 – WM 24375**
Humidifier
- 2 **Bacteria filter – WM 24148**
- 3 **O₂ valve – WM 24042**
Safe oxygen feed
- 4 **WEINMANNsupport – WM 93301**
PC software for settings and analysis

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

Technical Data SOMNOvent auto-S



Product class as per 93/42/EEC:	IIa	Electromagnetic Compatibility (EMC) as per EN 60601-1-2		
Dimensions (W x H x D):	180 x 90 x 320 mm	■ Radio interference suppression:	EN 55011 B	
Weight:	about 3.4 kg	■ Radio interference resistance:	EN 61000-4 Parts 2 to 6, Part 11	
Temperature range		Mean operating noise level/ as per EN ISO 17510-1 : 2007 at distance of one meter from device in patient position:		
■ Operation:	+5 °C to +35 °C	about 28.5 dB(A) at 10 hPa		
■ Storage:	-20 °C to +70 °C	Mean operating noise level/ as per EN ISO 17510-1 : 2002 at distance of one meter from device in patient position:		
Permitted humidity for operation and storage:	< = 95% rel. humidity (no condensation)	about 26 dB(A) at 10 hPa		
Air pressure range:	600 – 1100 hPa (automatic altitude adjustment for operation up to 4000 meters)	Operational pressure range: 4 to 20 hPa		
Connection diameter air hose (mask side):	19.5 mm (fits 22-mm norm conus)	Pressure accuracy: ± 0.4 hPa		
Electrical connection:	115/230 V AC, 50 – 60 Hz or 12/24 V DC with DC adapter WM 24131 or WM 24132	max. CPAP pressure in case of device failure as per EN ISO 17510-1: < 36 hPa		
Current consumption at	230 V	115 V	24 V	12 V
	■ Operation without humidifier, I=P/U:	0.1 A	0.2 A	1.0 A
■ Operation with humidifier, I=P/U:	0.2 A	0.4 A	2.0 A	4.0 A
■ Standby:	0.02 A	0.03 A	0.2 A	0.4 A
Classification as per EN 60601-1				
■ Protection from electric shock:	Protection Class II			
■ Degree of protection from elec. shock:	Type B			
■ Degree of protection from vertically dripping water	II PX1			
■ Type of operation:	Continuous			
Maximum flow at pressure of		without SOMNOclick 300	with SOMNOclick 300	
■ 20 hPa		125 l/min	115 l/min	
■ 16 hPa		145 l/min	135 l/min	
■ 12 hPa		165 l/min	150 l/min	
■ 8 hPa		180 l/min	165 l/min	
■ 4 hPa		195 l/min	180 l/min	
■ 0 hPa		210 l/min	190 l/min	
		Tolerance: ± 15 l/min		
Warming of respiratory air:		2.5 °C		
Short-term pressure constancy measured as per EN ISO 17510-1		without SOMNOclick 300	with SOMNOclick 300	
■ 20 hPa		Δp = 0.6 hPa	Δp = 0.6 hPa	
■ 16 hPa		Δp = 0.5 hPa	Δp = 0.5 hPa	
■ 13 hPa		Δp = 0.4 hPa	Δp = 0.4 hPa	
■ 10 hPa		Δp = 0.4 hPa	Δp = 0.4 hPa	
■ 7 hPa		Δp = 0.4 hPa	Δp = 0.4 hPa	
■ 4 hPa		Δp = 0.3 hPa	Δp = 0.3 hPa	
Long-term pressure constancy as per EN ISO 17510-1: 2002:		without SOMNOclick 300	with SOMNOclick 300	
		Δp = 0.2 hPa	Δp = 0.3 hPa	
Fine filter service life:		about 250 hours in normal ambient air		

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