

# SOMNOsmart 2

## autoCPAP therapy in combination with softPAP

autoCPAP therapy adapts and automatically adjusts the pressure to the needs of the sleeping patient according to respiratory events such as apnea and hypopnea, flow limitations and snoring. In SOMNOsmart 2 precise event recognition is based on the unique combination of the OPS signal, flow and snore signals. The one-of-a-kind algorithm guarantees effective therapeutic pressure that reliably and gently cares for the patient throughout the night.



SOMNOsmart 2  
WM 24900



SOMNOclick 300



JOYCE SilkGel

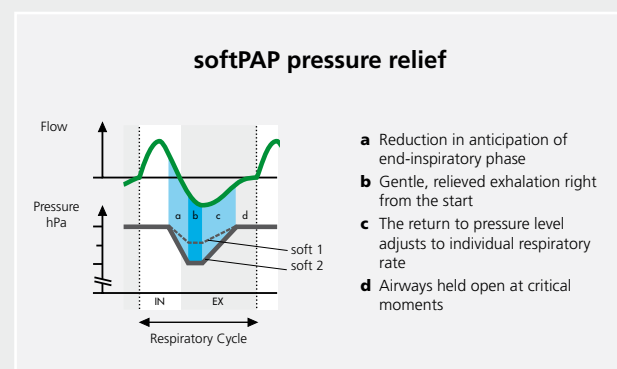
- Extremely quiet with high pressure constancy
- Comfortable with Softstart and Autostart
- Simple device operation
- Highly developed hygiene concept
- Two-level filter system with fine and coarse filters
- Adaptable humidifier SOMNOclick 300
- Graphic analysis with PC software WEINMANNsupport and extensive diagnostic information for therapy monitoring: RDI, respiratory events, snoring, OPS (obstructive pressure peak), leakages, etc. plus compliance data (therapy calendar)
- Remote setting with SOMNOadjust or WEINMANNsupport
- Analog signals for PSG input (flow, pressure, OPS, leakage)

### Full-face mode

SOMNOsmart 2 with OPS for optimum differentiation of obstructive and central events is also suitable for use with full-face masks.

### softPAP

... the intelligent pressure relief for greater comfort, thanks to the anticipatory reduction of pressure at the start of the exhalation phase. softPAP can be combined with auto CPAP.



### Adjustable initial pressure

At the start of therapy, pressure can be set at a level higher than the low pressure limit allows. Especially patients with high pressure needs or tidal volume can benefit from this feature.



## Accessories

- 1 **SOMNOclick – WM 24030 / SOMNOclick 300 – WM 24375**  
Heated humidifier
- 2 **Bacteria filter – WM 24148**  
Heated humidifier
- 3 **O<sub>2</sub>-Valve – WM 24042**  
Safer oxygen feed
- 4 **WEINMANNsupport – WM 93301**  
PC-Software for setting and analysis

Our complete range of therapy solutions, accessories and mask systems is at: [weinmann.de](http://weinmann.de)

Technical Data SOMNOsmart 2		CE 0197 <small>Certified Quality Management System according to EN ISO 9001:2015</small>	
<b>Product class as per directive 93/42/EEC:</b>	IIa	<b>Operation / storage humidity:</b>	95% relative humidity (no condensation)
<b>Dimensions (WxHxD):</b>	180 x 90 x 320 mm	<b>Therapy pressure range:</b>	APAP 4 – 18 hPa,
<b>Weight:</b>	about 3.6 kg	<b>Precision:</b>	±0.4 hPa
<b>Temperature range</b>		<b>Modes:</b>	APAP, CPAP
■ operation:	+5 °C to +35 °C	<b>Softstart:</b>	yes
■ storage:	-20 °C to +70 °C	<b>Pressure ramp speed:</b>	adjustable in 6 levels
<b>Electrical connection:</b>	115/230 V AC, 50–60 Hz or 12/24 V DC with converter WM 24131 or WM 24132 (in order to guarantee the pressure consistency required in HMV, a maximum voltage drop of 10% is allowed)	<b>Fine filter separation level</b>	
<b>Current consumption at</b>	<b>230 V</b> <b>115 V</b> <b>12 V</b>	■ up to 1 µm:	≥ 99.5%
■ operation:	0.1 A    0.2 A    1.6 A	■ up to 3 µm:	≥ 85%
■ storage:	0.002 A    0.003 A    0.6 A	<b>Serial interface:</b>	only for connection to SOMNOadjust WM 23930 and SOMNOsupport WM 23975 by authorized personnel or for control of O <sub>2</sub> valve WM 24042.
<b>Classification according to EN 60601-1</b>		<b>Power consumption SOMNOadjust:</b>	max. 163 mA
■ Protection from electric shock:	protection class II	<b>Maximum marginal pressure for first error:</b>	< 30 hPa
■ Degree of protection from electric shock:	type B	<b>Flow at maximum speed:</b>	at 18 hPa 120 l/min at 12 hPa 150 l/min at 6 hPa 175 l/min at 0 hPa 195 l/min tolerance ±10 l/min
<b>Electromagnetic compatibility as per EN 60601-1-2</b>		<b>Heating of respiratory air as per EN ISO 17510:</b>	2.5%
■ Radio interference suppression:	EN 55011	<b>Signal feed:</b>	respiratory events and compliance data
■ Radio interference resistance:	EN 61000-4 part 2 to 6, part 11	<b>Fluctuation of ventilation pressure, measured in accordance with EN ISO 17510:</b>	at 6 hPa Δp = 0.2 hPa at 12 hPa Δp = 0.3 hPa at 18 hPa Δp = 0.5 hPa
<b>Mean sound pressure level/ operation as per EN ISO 17510 in patient position at distance of one meter from device:</b>	approx. 26 dB (A) at 10 hPa		
<b>Air pressure range:</b>	600 - 1100 hPa (automatic altitude compensation)		
<b>Pressure constancy measured as per EN ISO 17510:</b>	at 12 hPa    Δp = 0.3 hPa		

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