



Sleep Therapy | Ventilation | Patient Interface

# Sleep Therapy

Sleep therapy solutions for every patient

A Company of the Löwenstein Group

**WEINMANN**  
medical technology

# Sleep Therapy

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## **Tailor-made therapy for every patient**

Doctors working in many different medical specialties are diagnosing Sleep-Disordered Breathing (SDB) with increasing frequency. The consequences of SDB span the range of daytime sleepiness with decreased productivity and high blood pressure to myocardial infarction and stroke. Patients with heart failure, for example, face a higher risk of suffering from SDB. For decades we have

been developing reliable, specialized technologies for use in sleep medicine. Our focus is on device safety, lasting therapy success and ease of use. The result is products that give the patient effective treatment and, through intuitive operation, product compatibility and easy maintenance, help you to simplify your work processes and allow you to concentrate on the patient.

**Indications**

**Type of therapy**

**Therapy devices**

- Central sleep apnea of Cheyne-Stokes variety associated with heart failure
- and with central, mixed or complex sleep apnea

**AcSV therapy**

Ventilation by means of AcSV combined with automatic pressure adjustment to patient's needs during current breath; automatic or pre-set backup frequency

**prismaCR**

The sleep medicine therapy solution for complex SDB (Sleep-Disordered Breathing)



- Obstructive mixed or complex sleep apnea and
  - High and/or changing pressure needs
  - Poor CPAP compliance
  - Central apnea
  - Nocturnal hypoventilation (as with OHS)
  - Respiratory insufficiency, e.g., coprevalent COPD (overlap)

**BiLevel ST therapy**

Ventilation with varied pressure levels during inspiration and during early and late expiration phases; depending on the therapy goal (three SCOPES for simple and fast setting). Backup frequency for additional safety.

**prisma30ST**

BiLevel ST therapy device with adjustable target volume



**prisma25ST**

BiLevel ST device with innovative pre-settings concept (SCOPES) and optional automatic therapy monitoring



- Obstructive mixed or complex sleep apnea and
  - High and/or changing pressure needs
  - Poor CPAP compliance

**BiLevel S therapy**

Ventilation with varied pressure levels during inspiration and during early and late expiration phases

**prisma25S**

BiLevel S device combined with the advantages of APAP



- Obstruction of the upper airways
- Fixed or variable pressure needs depending on position or sleep stage
- Poor CPAP compliance
- OSA with varying pressure needs

**APAP therapy**

Ventilation with constant pressure that automatically adjusts to the needs of the patient to provide greatest therapy flexibility. As an option, CPAP and APAP can be combined with the intelligent pressure relief softPAP.

**prisma20A**

Therapy flexibility for OSA (Obstructive Sleep Apnea)



**SOMNObalance e**

For balanced APAP therapy



- Obstruction of the upper airways
- Fixed pressure needs

**CPAP therapy**

Ventilation with constant pressure

**SOMNOsoft 2e**

Comfortable and effective CPAP therapy



**FOT / FBT** To distinguish central from obstructive apnea

**TRiLevel Pressure** – Automatic adjustment of three pressure levels (PAP, EPAP and EEPAP)

**SCOPES** LAB / ST / CR

**OPP** (Obstructive Pressure Peak) to distinguish central from obstructive apnea

## Overview of sleep therapy devices

prismaLINE – A platform to trust

*prismaLINE is the intelligent system solution for treatment of respiratory disorders.*

The prismaLINE represents a new dimension in operating convenience. The combination of state-of-the-art touch screen and smart Graphical User Interface makes possible unprecedented intuitive and therefore fast usage.



	prismaLAB	prismaCR	prisma30ST
Modes	CPAP	✓	✓
	APAP (autoCPAP)	✓	—
	BiLevel S, auto S	✓	—
	BiLevel S/T, auto S/T	✓	—
	BiLevel T	✓	—
	AcSV*	✓	✓
	aPCV	✓	—
Stabilization	Obstruction detection FOT/FBT	✓	✓
	Adaptive pressure regulation to eliminate obstructions (autoEEPAP, APAP)	✓	✓
	Pressure support	adaptive, fixed	adaptive
	Optional autoF	✓	✓
Synchronization	Adjust target volume	✓	—
	Automatic trigger technology	✓	✓
	Automatic pressure rise	Ramp IN, Ramp EX	auto
Compliance and Comfort	softSTART	✓	✓
	Mask test	✓	✓
	Leak display during operation	✓	✓
	TRILEvel option	✓	✓
	Pressure relief softPAP	in CPAP/APAP modes	in CPAP mode CPAP
	autoSTART-STOP	✓	✓
	Therapy Info for Experts	Signals for PSG feed	8 signals

This exceptional operating concept is found throughout the prismaLINE portfolio. Every prismaLINE device provides the user with ideal support for all kinds of work processes and for connectivity and accessories too. prismaLINE offers the

right device for every type of therapy in Weinmann quality: precise, reliable and unheard-of stillness. prismaLINE: Synonymous with modern sleep therapy Made in Germany.



prisma25ST	prisma25S	prisma20A	SOMNObalance e	SOMNOsoft 2e
✓	✓	✓	✓	✓
✓	✓	✓	✓	—
✓	✓	—	—	—
✓	—	—	—	—
✓	—	—	—	—
—	—	—	—	—
—	—	—	—	—
✓	✓	✓	OPP	OPP
✓	✓	✓	✓	—
fixed	fixed	—	—	—
✓	—	—	—	—
—	—	—	—	—
✓	✓	—	—	—
✓ Ramp IN	✓	—	—	—
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
✓	✓	—	—	—
✓ in CPAP/APAP modes	✓ in CPAP/APAP modes	✓	✓	✓
✓	✓	✓	✓	✓
8 signals	8 signals	8 signals	2 from 5 signals	2 from 5 signals

\* AcSV= Anticyclic Servoventilation

## prismaLINE accessories



### *prismaLINE meets all needs with numerous add-ons*

All prismaLINE models look identical on the outside and offer standardized expansion interfaces. To modify devices for specific uses, the user can connect different modules to any device and combine devices with each other. With so much flexibility, doctors and patients can be sure that the ideal therapy solution will be found, no matter how complex the clinical picture is.

### *Compatible and futuristic*

Data transmission can be made in any number of ways, all of which are based on proven industry standards that are manufacturer-independent. The therapy devices are equipped with interfaces for SD cards and USB for this purpose. Expansion modules for LAN and PSG are available; devices can be refitted for telemedicine via GSM.\*

\*Legal regulations limit availability to certain countries.

prismaLINE accessories



**prismaAQUA**  
Humidifier  
WM 29680



**prismaCONNECT**  
Connection module  
WM 29670



**prismaPSG**  
PSG module  
WM 29690

**Micro USB connection cable**  
WM 35160

**Converter**  
24 V, Lorry, WM 24617  
12 V, Auto, WM 24616



**Breathing tube**  
Ø 15 mm, WM 29988  
Ø 22 mm, WM 24445  
Ø 22 mm, autoclavable, WM 24667



**e.g., JOYCEone**  
Ventilation mask  
WM 25260 (nasal)  
WM 25290 (full face)

**Bacteria filter**  
WM 24476

**prismaHYBERNITE**  
Heated breathing tube  
Ø 22 mm, WM 29067

**Set 12 Pollen filter**  
WM 29652

**Power failure detector**  
WM 29650



### **prismaLABset-PSG**

With prismaLAB device, prismaAQUA, prismaBAG butler (WM 29978), prismaCONNECT, prismaTS software with USB data cable and prismaPSG

*Complete titration set WM 29996*



### **prismaTS and prismaTSlab**

#### **The accompanying software solutions**

From a quick summary to detailed therapy analysis, prismaTS and prismaTSlab provide relevant data for every work process.

*Therapy software complete with USB data cable, WM 93335*

## SOMNO devices accessories

### Compatible, efficient SOMNO accessories

Accessories include the external leak alarm *SOMNOalarm*, perfect-fit ventilation masks like *JOYCEone* and the heated tube system *HYBERNITE Superday*. With compatible accessories that are tailored exactly to the needs of patients and medical staff, treatment with *SOMNOsoft 2e* and *SOMNObalance e* is even more effective and successful.



### SOMNO accessories



**SOMNOaqua**  
Humidifier  
WM 24403



**SOMNOalarm**  
External leak alarm  
WM 29750



**O<sub>2</sub> safety valve**  
Safe oxygen feed  
WM 24042



**HYBERNITE Superday**  
Heated tube system  
Ø 22 mm, WM 29045



**e.g., JOYCEone**  
Ventilation mask  
WM 25260 (nasal)  
WM 25290 (full face)



**Breathing tube**  
Ø 22 mm, WM 24445  
Ø 22 mm, autoclavable,  
WM 24667

**Bacteria filter**  
WM 24476



**WEINMANNsupport**  
PC software for  
settings and analysis  
WM 93301

**DC Adapter**  
12 V / 24 V  
WM 24469

**USB Converter cable**  
WM 93321

You'll find additional information about our therapy solutions, accessories and mask systems at [weinmann-medical.com](http://weinmann-medical.com)

Weinmann Geräte für Medizin GmbH + Co. KG develops, produces and markets diagnostic and therapeutic solutions for sleep medicine and ventilation.

Products from the Hamburg-based, family-owned company are tailored exactly to the needs of patients and experts. Before market launch, every product goes through a certified validation process in research and development, procurement, production and quality management.

Weinmann, a Löwenstein Group company since 2013, is among the Top 3 in many of its demanding international markets, thanks to ideas, experience and innovation. Thanks too to the decades of trust that Weinmann's partners around the world have placed in our proven products Made in Germany.

[weinmann-medical.com](http://weinmann-medical.com)

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