



## prisma25S

BiLevel-S therapy device



### BiLevel-S therapy for high / fluctuating pressure needs and CPAP intolerance

Like all device variants in the prismaLINE, prisma 25S offers intuitive navigation and parameter setting to simplify and accelerate user operation. Patients with obstructive, mixed or complex sleep apnea who have high and /or fluctuating pressure needs and poor CPAP compliance will find the perfect therapy partner in prisma25S. In addition to a broad pressure range and apnea differentiation by means of FOT, the device has process and comfort supporting features to deliver effective, safe and comfortable BiLevel-S therapy Made in Germany.

- Comfort functions such as autoSTART-STOP and softSTART
- Heated breathing tube prismaHYBERNITE
- Easy-to-use accessories

#### Major features

- Ventilation modes: CPAP, APAP, BiLevel S, autoS
- Broad pressure range (4 – 25 hPa) and several adjustable parameters for greater flexibility in therapy settings
- Identification of periodic breathing, RERA, snoring, hypopnea, apnea and flow limitations
- Optionally with autoTRiLevel principle
- Optionally with auto Trigger (Trigger IN)
- High-resolution therapy data for 14 days and detailed statistics for 366 days
- Therapy software prismaTS for data analysis and remote control
- With SD card and USB port
- Telemedicine connection via modem for prisma CLOUD
- Eight clearly distinguished analog signals for PSG feed

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 a large monitor (touch screen or LED) and smart Graphical User Interface allows more intuitive and faster use than ever before.

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 Löwenstein Medical quality: precise, reliable and unheard-of stillness.

prismaLINE: Synonymous with modern sleep therapy Made in Germany.

## Accessories



prismaAQUA – WM 29680  
Humidifier



prismaCONNECT  
WM 29670



prismaPSG – WM 29690  
PSG Module

## Accessories (not shown)

Inverter 24V, lorry – WM 24617  
 Inverter 12V, car – WM 24616  
 prismaTS – WM 93335  
 Therapy software, complete with USB data cable  
 Bacteria filter – WM 24476  
 Set of 12 pollen filters – WM 29652  
 Breathing tube, Ø 22 mm – WM 24445  
 Breathing tube, Ø 15 mm – WM 29988  
 Autoclavable breathing tube, Ø 22 mm – WM 24667  
 Heated breathing tube,  
 prismaHYBERNITE, Ø 15 mm – WM 29083  
 prismaHYBERNITE, Ø 22 mm – WM 29067  
 prisma CHECK, SpO<sub>2</sub> module – WM 29390  
 Modem for prisma CLOUD – WM 31240

You'll find more information about our therapy solutions, accessories and mask systems at [loewensteinmedical.de](http://loewensteinmedical.de)

## Technical data

Product class as per Directive 93/42/EEC	IIa	Alarms	leak and disconnection
Dimensions (W x H x D)	170 x 135 x 180 mm	Modes	CPAP, APAP, BiLevel S and autoS
Weight	about 1.4 kg	Mean sound pressure/ Operation as per ISO 80601-2-70	about 26.5 dB(A) at 10 hPa (corresponds to sound pressure of 34.5 dB(A))
Temperature range • Operation: • Storage:	+5 °C to +40 °C -25 °C to +70 °C	CPAP operating pressure range	4 to 20 hPa
Permitted humidity, operation and storage	rel. humidity 10 % to 95 %, no condensation	BiLevel operating pressure range	4 to 25 hPa
Air pressure range	700 – 1060 hPa corresponds to altitude of 3000 meters	Trigger	auto or can be set at three levels
Diameter of breathing tube	22 mm or 15 mm	Pressure increase speed	can be set at three levels
Electric rating	max. 40 VA	Pressure accuracy	< 20 hPa ± 0.6 hPa, ≥ 20 hPa ± 0.8 hPa
System interface	12V DC max. 10VA	Peak flow as per ISO 80601-2-70, mode BiLevel, without humidifier	4.0 hPa 235 l/min 10.5 hPa 225 l/min 17.0 hPa 215 l/min 23.5 hPa 200 l/min 25.0 hPa 195 l/min
Power consumption in • Operation (therapy): • Standby:	230V 115V 0.11 A 0.22 A 0.036 A 0.019 A	Stability of the dynamic pressure (short-term accuracy) for 10 breaths/min as per ISO 17510-1:2007 with use of the 22-mm tube.	7.0 hPa Δp ≤ 0.24 hPa 10.0 hPa Δp ≤ 0.28 hPa 13.5 hPa Δp ≤ 0.3 hPa 20.0 hPa Δp ≤ 0.4 hPa
Classification as per EN 60601-1-11 • Type of protection from electric shock: • Level of protection from electric shock: • Protection from damaging ingress of water and solids:	protection class II type BF IP21		

Device description  
prisma25S

Ord. Nr.  
WM 29900



Please refer to the current price list.

Löwenstein Medical Technology  
 Kronsaalsweg 40, 22525 Hamburg  
 Germany  
 T: +49 40 54702-0  
 F: +49 40 54702-461  
 info@loewensteinmedical.de  
 www.loewensteinmedical.de

