



## prisma25ST

BILevel-ST therapy with innovative setting concept (SCOPES)

Maximum flexibility for indication-specific pre-settings (SCOPES): prisma25ST leaves room for individually tailored solutions. Perfect for patients with obstructive, mixed or complex sleep apnea with comorbidities. Equipped with automatic backup frequency, apnea differentiation by FOT and many process and comfort supporting features, prisma25ST provides reliable, effective and whisper-quiet BILevel-ST therapy Made in Germany.

### Major features

- Broad pressure range (4 – 25 hPa) and several adjustable parameters for greater flexibility in therapy settings
- High level of safety due to auto back up frequency or high fixed back up frequency
- Optionally with autoTRILevel principle and autoEEPAP regulation
- SCOPES for indication-specific pre-settings with option for adjustment
- Optional autoTrigger (Trigger IN)
- High resolution therapy data for up to 14 days and detailed statistics for 366 days
- With SD card and USB port
- Eight clearly identified analog signals for PSG feed
- Digital prisma connection (DPC)
- Remote management (prismaTSlab) via LAN with therapy software prismaTS
- Comfort functions such as softSTART and autoSTART-STOP
- Heated breathing tube prismaHYBERNITE
- Easy-to-use accessories

### 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.

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  
 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	Modes	CPAP, APAP, BiLevel S, auto S, BiLevel S/T, autoS/T, BiLevel T
Dimensions (W x H x D)	170 x 135 x 180 mm	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)]
Weight	about 1,4 kg	CPAP operating pressure range	4 to 20 hPa
Temperature range • Operation: • Storage:	+5 °C to +40 °C -25 °C to +70 °C	BiLevel operating pressure range	4 to 25 hPa
Permitted humidity, operation and storage	rel. humidity 10 % to 95 %, no condensation	Relative inspiration time: Ti/Tset	25% to 67%
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. 40VA	Back up frequency	0 bpm, 5 to 35 bpm, auto
System interface	12V DC max. 10VA	Pressure accuracy	< 20 hPa ± 0,6 hPa, ≥ 20 hPa ± 0,8 hPa
Power consumption in • Operation (therapy): • Standby:	230V    115V 0,11 A    0,22 A 0,036 A    0,019 A	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
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	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
Alarms	leak and disconnection		

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### Device description

prisma25ST

### Ord. Nr.

WM 29920



Please refer to the current price list.

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