



prisma25ST

BILevel-ST therapy device



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

- Ventilation modes: CPAP, APAP, BILevel S, autoS, BILevel S/T, autoS/T, BILevel T
- High level of safety due to auto back up frequency or high fixed back up frequency
- Optionally with autoTRILevel principle
- SCOPES for indication-specific pre-settings
- Optional auto Trigger (Trigger IN)
- High resolution therapy data for up to 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 identified analog signals for PSG feed
- Comfort functions such as autoSTART-STOP and softSTART
- 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 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.



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والا درمان امیرکبیر



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, SpO₂ 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

Technical data

Product class as per Directive 93/42/EEC	II a	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		BiLevel operating pressure range	4 to 25 hPa
• Operation:	+5 °C to +40 °C	Relative inspiration time: Ti/Tset	25% to 67%
• Storage:	-25 °C to +70 °C	Trigger	auto or can be set at three levels
Permitted humidity, operation and storage	rel. humidity 10 % to 95 %, no condensation	Pressure increase speed	can be set at three levels
Air pressure range	700 – 1060 hPa corresponds to altitude of 3000 meters	Back up frequency	0 bpm, 5 to 35 bpm, auto
Diameter of breathing tube	22 mm or 15 mm	Pressure accuracy	< 20 hPa ± 0.6 hPa, ≥ 20 hPa ± 0.8 hPa
Electric rating	max. 40 VA	Peak flow as per ISO 80601-2-70, mode BiLevel, without humidifier	
System interface	12V DC max. 10VA	4,0 hPa	235 l/min
Power consumption in	230V 115V	10,5 hPa	225 l/min
• Operation (therapy):	0.11 A 0.22 A	17,0 hPa	215 l/min
• Standby:	0.036 A 0.019 A	23,5 hPa	200 l/min
Classification as per EN 60601-1-11		25,0 hPa	195 l/min
• Type of protection from electric shock:	protection class II	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.	
• Level of protection from electric shock:	type BF	7,0 hPa	Δp ≤ 0.24 hPa
• Protection from damaging ingress of water and solids:	IP21	10,0 hPa	Δp ≤ 0.28 hPa
Alarms	leak and disconnection	13,5 hPa	Δp ≤ 0.3 hPa
		20,0 hPa	Δp ≤ 0.4 hPa

Device description

prisma25ST

Ord. Nr.

WM 29920



Please refer to the current price list.



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