



prisma30ST

BiLevel ST therapy device with adjustable target volume



prisma30ST is the means of choice for patients who suffer from respiratory insufficiency, e.g., position-dependent hypoventilation and/or COPD, and concurrent SDB (Sleep-Disordered Breathing). Equipped with the unique autoS/T mode with adjustable target volume, autoEPAP and backup frequency, prisma30ST provides comfortable ventilation that quickly leads to lasting treatment success.

Major features

- Ventilation modes CPAP, APAP, S, T, S/T, autoS/T, aPCV
- Broad pressure range (4 – 30 hPa) and several adjustable parameters for greater flexibility in therapy settings
- Target volume assured in every position
- With automatic or permanently set back up frequency and optional adjustable alarms for leaks, low minute volume, low tidal volume and apnea
- SCOPES (indication-specific pre-settings) for COPD and hypoventilation with the option of making adjustments at any time
- Identification of periodic breathing, RERA, snoring, hypoapnea, apnea and flow limitations
- Optional autoTrigger (Trigger IN and Trigger EX)
- Adaptive inspiratory pressure rise (Ramp IN) and expiratory pressure reduction (Ramp EX)
- High resolution therapy data for up to 14 days and detailed statistics for 366 days
- With SD card and USB port
- Digital prisma connection (DPC)
- Eight clearly identified analog signals for PSG feed
- Remote management (prismaTSlab) via LAN with therapy software prismaTS
- Separate operation menus for experts and patients allow navigation tailored to user's needs.
- 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, SpO₂ module – WM 29390

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	IIa	Modes	CPAP, APAP, S, S/T, T, autoS/T, aPCV
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	BlLevel operating pressure range	4 to 30 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 Inspiration (Trigger IN) Trigger Expiration (Trigger EX)	auto or can be set at 3 levels auto or can be set at 3 levels
Diameter of breathing tube	22 mm or 15 mm	Pressure rise (Ramp IN) Pressure reduction (Ramp EX)	can be set at 4 levels can be set at 3 levels
Electric rating	max. 40 VA	Back up frequency	0 bpm, 5 - 35 bpm, auto
System interface	12V DC max. 10 VA	Pressure accuracy	< 20 hPa ± 0.6 hPa, ≥ 20 hPa ± 0.8 hPa
Power consumption in • Operation (treatment): • Standby:	230V 115V 0.11 A 0.22 A 0.036 A 0.019 A	Peak flow as per ISO 80601-2-70, mode Bllevel, 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 30.0 hPa 190 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	leaks, disconnection (tube), apnea, low minute volume, low tidal volume		

Device description
prisma30ST

Ord. Nr.
WM 29930

CE 0197

Please refer to the current price list.

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