



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	BiLevel 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 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 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



Please refer to the current price list.

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

Löwenstein Medical UK
1 E-Centre, Easthampstead Road
RG12 1 NF Bracknell
United Kingdom
T: +44 1344 830023
info@loewensteinmedical.uk
www.loewensteinmedical.uk

