



prisma30ST

BiLevel ST therapy device
with adjustable target volume & Touch Screen



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, hypo-pnea, 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.




reddot award 2015
winner




Technical data

Product class as per Directive 93/42/EEC	IIa	Modes	CPAP, APAP, BiLevel S, S/T, T, autoS/T, aPCV
Dimensions (W×H×D)	170 × 135 × 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 30 hPa
• Operation:	+5 °C to +40 °C	Relative inspiration time:Ti/Tset	25% to 67%
• Storage:	-25 °C to +70 °C	Trigger Inspiration (Trigger IN) Trigger Expiration (Trigger EX)	auto or can be set at 3 levels auto or can be set at 3 levels
Permitted humidity, operation and storage	rel. humidity 10 % to 95 %, no condensation	Pressure rise (Ramp IN) Pressure reduction (Ramp EX)	can be set at 4 levels can be set at 3 levels
Air pressure range	700 – 1060 hPa corresponds to altitude of 3000 meters	Back up frequency	0 bpm, 5 - 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. 40VA	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 (treatment):	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	30.0 hPa	190 l/min
• Level of protection from electric shock:	type BF	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.	
• Protection from damaging ingress of water and solids:	IP21	7.0 hPa	$\Delta p \leq 0.24$ hPa
Alarms	leaks, disconnection (tube), apnea, low minute volume, low tidal volume	10.0 hPa	$\Delta p \leq 0.28$ hPa
		13.5 hPa	$\Delta p \leq 0.3$ hPa
		20.0 hPa	$\Delta p \leq 0.4$ hPa
		Note : 1hPa = 1cm H ₂ O	


Optional Accessories



prismaAQUA – Humidifier



prismaPSG – PSG Module



prismaCONNECT

- Inverter 12V, car
- prismaTS – Therapy software, complete with USB data cable
- Bacteria filter
- prismaHYBERNITE heated breathing tube
- prisma CHECK, SpO₂ module

Device description : BiLevel (BIPAP) ST Machine with Target Volume

prisma30ST
Unit is supplied with following Standard Accessories

■ prisma30ST basic device	■ User Manual	■ Carrying bag
■ Breathing tube 22 mm	■ Power supply unit	■ Power cord
■ Set of 2 air filters	■ SD card	

Imported & Marketed by :

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