

dered 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, hypopnea, 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

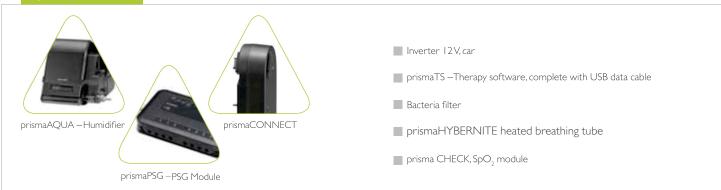
Made in Germany.





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Product class as per Directive 93/42/EEC	lla	Modes	CPAP, APAP, BiLevel S, S/T, T, autoS/T, aPC
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 • Operation: • Storage:	+5 °C to +40 °C -25 °C to +70 °C	BILevel operating pressure range	4 to 30 hPa
		Relative inspiration time:Ti/Tset	25% to 67%
Permitted humidity, operation and storage	rel. humidity 10 % to 95 %, no condensation	Trigger Inspiration (Trigger IN) Trigger Expiration (Trigger EX)	auto or can be set at 3 levels auto or can be set at 3 levels
Air pressure range	700 – 1060 hPa corresponds to altitude of	Pressure rise (Ramp IN) Pressure reduction (Ramp EX)	can be set at 4 levels can be set at 3 levels
	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. 40 VA	1 1 0000 o decardey	20 4 2 0.0 4, 20 4 20.0 4
System interface	12V DC max. 10VA	Peak flow as per ISO 80601-2-70, mode Bllevel, without humidifier	
Power consumption in Operation (treatment): Standby:	230V 115V 0.11A 0.22A 0.036A 0.019A	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		30.0 hPa 190	l/min
Type of protection from electric shock:	protection class II		
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:	IP2 I	10.0 hPa Δp≤	≤0.24 hPa ≤0.28 hPa ≤0.3 hPa
Alarms	leaks, disconnection (tube), apnea, low minute volume, low tidal volume	20.0 hPa $\Delta p \leq 0.5 \text{ Hz}$ Note: $1 \text{hPa} = 1 \text{cm} \text{ H2O}$	

Optional Accessories



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 :

Balaji Medi Systems

487/18, Ist Floor, School Road, (Above Punjab Hardware & Elect.)
Peeragarhi, New Delhi-110087
Ph.: 011-25276711 • Mob.:+91 - 9953880410

E-mail: balajimedisystems@gmail.com www.balajimedisystems.com



Löwenstein Medical Technology

Kronsaalsweg 40, 22525 Hamburg Germany

Authorised Dealer