



prisma30ST

BILevel ST therapy device



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.

- 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

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

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.

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 (WxHxD)	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 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. 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 (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	Δp ≤ 0,24 hPa
Alarms	leaks, disconnection (tube), apnea, low minute volume, low tidal volume	10,0 hPa	Δp ≤ 0,28 hPa
		13,5 hPa	Δp ≤ 0,3 hPa
		20,0 hPa	Δp ≤ 0,4 hPa

Device description

prisma30ST

Ord. Nr.

WM 29930



Please refer to the current price list.

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