



prisma30ST

BiLevel ST therapy device with adjustable target volume

prisma30ST: Strong ventilation with the comfort of sleep therapy

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.

Therapy

- Versatile: Ventilation modes CPAP, APAP, S, T, S/T, autoS/T, aPCV
- Flexible: Broad pressure range (4 – 30 hPa) and several adjustable parameters for greater flexibility in therapy settings
- Reliable: Assured target volume in every position
- High level of safety: Provided by automatic backup frequency or fixed backup frequency setting plus optional alarms that can be set for leaks, low minute volume, low tidal volume and apnea
- Fast: SCOPES (indication-specific pre-settings) for COPD and hypoventilation with the option of making adjustments at any time
- Precise: Identification of periodic breathing, RERA, snoring, hypopnea, apnea and flow limitations
- For natural breathing: Optional autoTrigger (Trigger IN and Trigger EX)
- For synchronized breathing: Adaptive inspiratory pressure rise (Ramp IN) and expiratory pressure reduction (Ramp EX)

Processes

- Good overview: High resolution therapy data for up to 14 days and detailed statistics for 366 days
- Process support: With SD card and USB port
- Simple: Eight clearly identified analog signals for PSG feed
- Practical: Remote management (prismaTSlab) via LAN with therapy software prismaTS
- Worry-free: prismaLine requires no maintenance

Comfort

- Barely audible: Unheard-of stillness even at high pressures
- User-oriented: Separate operation menus for experts and patients allow navigation tailored to user's needs.
- High compliance: Thanks to comfort functions such as softSTART, autoSTART-STOP and continuous mask and therapy feedback
- Best conditions: heated breathing tube prismaHYBERNITE warms the air and stops condensation from forming in tube, thereby preventing annoying mask sounds.
- Very simple: Easy-to-use prismaAQUA humidifier

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 Weinmann quality: precise, reliable and unheard-of stillness.

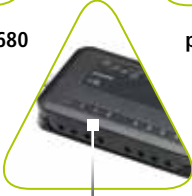
prismaLINE: Synonymous with modern sleep therapy Made in Germany.



prismaAQUA – WM 29680
Humidifier



prismaCONNECT
WM 29670



prismaPSG – WM 29690
PSG Module

Accessories (not shown)

Inverter 24 V, lorry – WM 24617

Inverter 12 V, 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 22 mm – WM 29067

Power failure detector – WM 29650

You'll find more information about our therapy solutions, accessories and mask systems at weinmann-medical.com

Product class as per Directive 93/42/EEC	II a		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))	
Dimensions (W x H x D)	170 x 135 x 180 mm		CPAP operating pressure range	4 to 20 hPa	
Weight	about 1.4 kg		BIlevel operating pressure range	4 to 30 hPa	
Temperature range ■ Operation: ■ Storage:	+5 °C to +40 °C -25 °C to +70 °C		Relative inspiration time Ti/ Tset	25% to 67%	
Permitted humidity, operation and storage	rel. humidity 15 % to 93 %, 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 3000 meters		Pressure rise (Ramp IN) Pressure reduction (Ramp EX)	can be set at 4 levels can be set at 3 levels	
Diameter of breathing tube connection (mask)	19.5 mm (fits standard tapered connector)		Back up frequency	0; 6 to 35 bpm	
Electric rating	max. 40 VA		Adjustable target volume	can be set in 3 speed levels	
System interface	12 V DC max. 10 VA		Pressure accuracy	<20 hPa ± 0.6 hPa, ≥20 hPa ±0.8 hPa	
Power consumption in ■ Operation (therapy): ■ Standby:	230 V 0.11 A 0.036 A	115 V 0.22 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 when using the 19 mm hose.		
			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	severe leakage, disconnection (tube), long apnea, low minute volume, low tidal volume				
Modes	CPAP, APAP, S, S/T, T, autoS/T, aPCV				

Device Description
prisma30ST

WM-Nr.
29930



Certified Quality
Management System
meeting EC directive
93/42/EEC Annex II (EN ISO 13485)



Please refer to the current price list or contact Customer Service Weinmann.

weinmann-medical.com | weinmann.ch | weinmann.cn | weinmann.co.il | weinmann.de | weinmann-france.fr

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