

The sleep medicine therapy solution for complex SDB

Patients with periodic breathing or central, mixed or complex sleep-disordered breathing, are treated quickly and reliably by the innovative algorithm in prismaCR. At the heart of the algorithm is a backup frequency based on target volume combined with intra-breath regulation. It provides need-oriented pressure support during the current breath, a technology called Anticyclic Servoventilation (AcSV) that is Made in Germany.

Major features

- Validated Anticyclic Servoventilation (AcSV) reacts quickly with smart adaptation of pressure support within one breath
- Broad pressure range (4 30 hPa) and several adjustable parameters for greater flexibility in therapy settings
- Identification of periodic breathing, RERA, snoring, hypopnea, apnea and flow limitations
- Optionally with autoTRILevel principle and autoEEPAP regulation
- SCOPEs for indication-related pre-settings with option for adjustment
- High-resolution therapy data for 14 days and detailed statistics for 366 days
- With SD card and USB port
- · Eight clearly distinguished analog signals for PSG feed
- Digital prisma connection (DPC)
- Remote management (prismaTSlab) via LAN with therapy software prismaTS

- 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 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.



prismaAQUA – WM 29680 Humidifier



prismaPSG – WM 29690 PSG Module

Accessories (not shown)

Inverter 24 V, Iorry – 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, \varnothing 22 mm – WM 24445

Breathing tube, Ø 15 mm – WM 29988

Autoclavable breathing tube, Ø 22 mm – WM 24667

Heated breathing tube,

prismaHYBERNITE, \varnothing 15 mm – WM 29083 prismaHYBERNITE, \varnothing 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

prismaCONNECT WM 29670

Technical data

Back up frequency 5 bpm - 35 bpm, auto	Toomingar casa				
Weight about 1.4 kg Mean sound pressure/ Operation as per (corresponds to sound pressure of 34.5 dB(A) at 10 hPa (corresponds to sound pressure is SO 80601-2-70 of 34.5 dB(A) about 26.5 dB(A) at 10 hPa (corresponds to sound pressure is SO 80601-2-70 of 34.5 dB(A) Permitted humidity, operation and storage -25 °C to +70 °C CPAP operating pressure range and to 34.5 dB(A) 4 to 20 hPa Air pressure range 700 – 1060 hPa corresponds to altitude of 3000 meters Relative inspiration time:Ti/Tset 25% to 67% Diameter of breathing tube 22 mm or 15 mm Back up frequency 5 bpm - 35 bpm, auto Electric rating max. 40VA Peak flow as per ISO 80601-2-70, mode AcSV, without humidifier System interface 12V DC max. 10VA Peak flow as per ISO 80601-2-70, mode AcSV, without humidifier Power consumption in 230V 115V 100 hPa 235 l/min 10.5 hPa 225 l/min 17.0 hPa 215 l/min 23.5 hPa 200 l/min 25.5 hPa 195 l/min 30.0 hPa 195 l/min 30.0 hPa 190 l/min Stability of the dynamic pressure (short-term accuracy) for 10 breaths/min ISO 17510-1:2007 with use of the 22-mm tube. Classification as per EN 60601-1-11 Stability of the dynamic pressure (short-term accuracy) for 10 breaths/min ISO 17510-1:2007 with use of the 22-mm tube. 1- Use of protection from electric shock to melectric shock to melectr		lla	Alarms	Leak and Disconnection	
Permitted humidity, operation and storage no condensation no condensation Air pressure range 20 Pressure range 150 80601-2-70 rel. humidity 10 % to 95 %, operation and storage no condensation Air pressure range 700 − 1060 hPa corresponds to altitude of 3000 meters 700 meters meters 7	Dimensions (W×H×D)	170 × 135 × 180 mm	Modes	AcSV, CPAP	
So 80601-2-70	Weight	about 1.4 kg			
- Storage: -25 °C to +70 °C CPAP operating pressure range rel. humidity 10 % to 95 %, no condensation AcSV operating pressure range 700 − 1060 hPa corresponds to altitude of 3000 meters Pressure accuracy 700 − 1060 hPa corresponds to altitude of 3000 meters Pressure accuracy 20 hPa ± 0.6 hPa, ≥ 20 hPa ± 0.8 hPa ± 0		+5 °C to +40 °C			
Peak flow as per ISO 80601-2-70, mode AcSV, without humidifier Power consumption in 230V 115V 170 Pea 215 l/min 215 l/min 230 l/min 250 hPa 200 l/min 250 hPa 190 l/min 250 hPa 200 l/min 250 hPa 190 l/min 250 hPa 190 l/min 250 hPa 190 l/min 250 hPa 200 l/min 250			CPAP operating pressure rang	ge 4 to 20 hPa	
Diameter of breathing tube 22 mm or 15 mm Back up frequency 5 bpm - 35 bpm, auto			AcSV operating pressure rang	ge 4 to 30 hPa	
Diameter of breathing tube 22 mm or 15 mm Back up frequency 5 bpm - 35 bpm, auto	Air pressure range		Relative inspiration time:Ti/Tse	et 25% to 67%	
Electric rating max. 40 VA Peak flow as per ISO 80601-2-70, mode AcSV, without humidifier			Pressure accuracy	<20 hPa ± 0.6 hPa, ≥ 20 hPa ± 0.8 hPa	
Peak flow as per ISO 80601-2-70, mode AcSV, without humidifier 4.0 hPa 235 l/min 10.5 hPa 225 l/min 17.0 hPa 215 l/min 17.0 hPa 215 l/min 23.0 l/min 23.0 l/min 23.0 l/min 23.0 l/min 23.0 l/min 23.0 hPa 195 l/min 30.0 hPa 195 l/min 30.0 hPa 195 l/min 30.0 hPa 190 l/min Classification as per EN 60601-1-11 Type of protection from electric shock: protection class II Level of protection from electric shock: type BF Peak flow as per ISO 80601-2-70, mode AcSV, without humidifier 4.0 hPa 235 l/min 17.0 hPa 195 l/min 30.0 hPa 195 l/min Stability of the dynamic pressure (short-term accuracy) for 10 breaths/min 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	Diameter of breathing tube	22 mm or 15 mm	Back up frequency	5 bpm - 35 bpm, auto	
System interface 12 V DC max. 10 VA 4.0 hPa 235 l/min Power consumption in 230 V 115 V 17.0 hPa 215 l/min • Operation (therapy): 0.11 A 0.22 A 23.5 hPa 200 l/min • Standby: 0.036 A 0.019 A 25.0 hPa 195 l/min Classification as per EN 60601-1-11 Stability of the dynamic pressure (short-term accuracy) for 10 breaths/min ISO 17510-1:2007 with use of the 22-mm tube. • Level of protection from electric shock: protection class II 7.0 hPa Δp≤0.24 hPa • Level of protection from electric shock: type BF 10.0 hPa Δp≤0.28 hPa • Protection from electric shock: type BF 13.5 hPa Δp≤0.3 hPa	Electric rating	max. 40 VA	Peak flow as per ISO 80601-2	2-70 mode AcSV without humidifier	
Power consumption in 230 V 115 V 17.0 hPa 215 l/min • Operation (therapy): 0.11 A 0.22 A 23.5 hPa 200 l/min • Standby: 0.036 A 0.019 A 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: protection class II • Level of protection from electric shock: type BF • Description from electric shock: type BF • Protection from electric shock: type BF	System interface	12V DC max. 10VA	4.0 hPa 235 l/min		
• Standby: • Standby: 0.036 A 0.019 A 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: protection class II • Level of protection from electric shock: type BF • Department of the dynamic pressure (short-term accuracy) for 10 breaths/min ISO 17510-1:2007 with use of the 22-mm tube. 7.0 hPa Δp≤0.24 hPa 195 l/min 30.0	Power consumption in	230V 115V	17.0 hPa 21	15 l/min	
30.0 hPa 190 l/min Classification as per EN 60601-1-11 • Type of protection from electric shock: protection class II • Level of protection from electric shock: type BF • Description from electric from denoting in severe (short-term accuracy) for 10 breaths/min 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					
 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 ISO 17510-1:2007 with use of the 22-mm tube. 7.0 hPa	• Standby:	0.036A 0.017A	30.0 hPa 19	90 l/min	
ISO 17510-1:2007 with use of the 22-mm tube. ISO 17510-1:2007 with use of the 22-mm tube. 1.00 hPa $\Delta p \le 0.24 \text{ hPa}$ $\Delta p \le 0.24 \text{ hPa}$ $\Delta p \le 0.28 \text{ hPa}$ $\Delta p \le 0.36 \text{ hPa}$ $\Delta p \le$	Classification as per EN 60601-	1-11			
from electric shock: type BF 10.0 hPa $\Delta p \leq 0.28 \text{ hPa}$ $\Delta p \leq 0.3 \text{ hPa}$		protection class II	ISO 17510-1:2007 with use of the 22-mm tube.		
		type BF	10.0 hPa △	Δp≤0.28 hPa	
of water and solids: IP21 20.0 hPa Δp≤0.4 hPa	Protection from damaging ing of water and solids:				

Device descriptionOrd. Nr.prismaCRWM 29960

Please refer to the current price list.





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