



## prismaCR

AcSV therapy device



### 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.



## Accessories



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 15 mm – WM 29083

prismaHYBERNITE, Ø 22 mm – WM 29067

prisma CHECK, SpO<sub>2</sub> module – WM 29390

You'll find more information about our therapy solutions, accessories and mask systems at [loewensteinmedical.de](http://loewensteinmedical.de)

## Technical data

Product class as per Directive 93/42/EEC	IIa	Alarms	Leak and Disconnection
Dimensions (W x H x D)	170 x 135 x 180 mm	Modes	AcSV, CPAP
Weight	about 1.4 kg	Mean sound pressure/ Operation as per ISO 80601-2-70	about 26.5 dB(A) at 1.0 hPa (corresponds to sound pressure of 34.5 dB(A))
Temperature range • Operation: • Storage:	+5 °C to +40 °C -25 °C to +70 °C	CPAP operating pressure range	4 to 20 hPa
Permitted humidity, operation and storage	rel. humidity 10 % to 95 %, no condensation	AcSV operating pressure range	4 to 30 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	Pressure accuracy	< 20 hPa ± 0.6 hPa, ≥ 20 hPa ± 0.8 hPa
Electric rating	max. 40 VA	Back up frequency	5 bpm - 35 bpm, auto
System interface	12 V DC max. 10 VA	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 23.5 hPa 200 l/min 25.0 hPa 195 l/min 30.0 hPa 190 l/min
Power consumption in • Operation (therapy): • Standby:	230 V 1.15 V 0.11 A 0.22 A 0.036 A 0.019 A	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.	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
Classification as per EN 60601-1-1 • 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		

## Device description

prismaCR

## Ord. Nr.

WM 29960



Please refer to the current price list.

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