

# prismaCR

## Maximum flexibility in AcSV therapy.

prismaCR is the **therapy device** of choice for patients with periodic breathing (Cheyne-Stokes Respiration) and central, mixed or complex sleep-disordered breathing.

### Major features at a glance

- Modes: CPAP, AcSV
- Large touchscreen and smart menu navigation allows fast and intuitive operation
- Anticyclic Servoventilation (AcSV) with a high degree of flexibility and smart adjustment of pressure support provides a rapid reaction within a single breath.
  - Additional pressure relief (Bi soft 1/2)
  - Automatically regulated pressure difference (autoPDIFF)
  - autoTriLevel provides additional safe breathing comfort
- Deep sleep and respiratory stability indicators go into the evaluation of sleep quality
- Top-level safety with automatic or permanently set backup frequency
- SCOPES for indication-specific pre-settings and a fast start to therapy
- Diverse comfort functions such as autoSTART, autoSTOP, softSTART, pressure relief softPAP
- Modern connectivity: telemedicine, SD, PSG, LAN
- With smartAQUAcontrol (with use of prismaAQUA): Intelligent humidification without extra sensors

### Our Software Solutions



- **prisma CLOUD**  
The telemedical connection for experts and patients. Information updated daily on therapy, fully automated, from anywhere.
- **prisma APP**  
The prisma APP supports and motivates patients to adhere to treatment.
- **prismaTS**  
Therapy software for experts. For detailed data analysis and remote settings.



## Accessories

Humidifier		Breathing tubes		Modules	
prismaAQUA	WM 29680	Breathing tube Ø 22 mm Ø 15 mm	WM 24445 WM 29988	prismaCONNECT prismaPSG PSG module	WM 29670 WM 29690
Filters		Breathing tube, autoclavable Ø 22 mm	WM 24667	prismaCHECK SpO <sub>2</sub> module	WM 29390
Bacteria filter	WM 24476			Modem for prisma CLOUD	WM 31240
Set of 12 pollen filters	WM 29652	prismaHYBERNITE heated breathing tube		Software	
Power inverter		Ø 22 mm	WM 29067	prismaTS	WM 93335
24 V, Truck	WM 24617	Ø 15 mm	WM 29083	therapy software complete with USB data cable	
12 V, Auto	WM 24616				
Transport bags					
prismaBAG basic	WM 29708				
prismaBAG premium	WM 29709				

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

## Technical data

Product class as per Directive 93/42/EEC	II a	Alarms	leakage 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 level/Operation ISO 80601-2-70	ca. 26.5 dB(A) at 10 hPa	
Temperature range • Operation • Transport and 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 5 % to 93 %, no condensation	AcSV operating pressure range	4 to 30 hPa	
Pressure range	700 – 1060 hPa corresponds to altitude of 3000 m above sea level	Relative inspiration duration Ti/Tset	25 % to 67 %	
Electric rating	max. 40 VA	Backup frequency	auto, 5 to 30 bpm	
System interface	12 V DC max. 10 VA	Pressure accuracy	<20 hPa ± 0.6 hPa, ≥ 20 hPa ± 0.8 hPa	
Power consumption in • Operation (treatment): • Standby:	240 V    100 V 0.11 A    0.25 A 0.035 A    0.022 A	Highest flow as per ISO 80601-2-70, AcSV mode, without humidifier	4.0 hPa 10.5 hPa 17.0 hPa 23.5 hPa 25.0 hPa 30.0 hPa	235 l/min 225 l/min 215 l/min 200 l/min 195 l/min 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 dynamic pressure (short-term accuracy) at 10 breaths/min as per ISO 17510-1:2007 with 22-mm breathing tube	7.0 hPa 10.0 hPa 13.5 hPa 20.0 hPa	Δp ≤ 0.24 hPa Δp ≤ 0.28 hPa Δp ≤ 0.30 hPa Δp ≤ 0.40 hPa

## Device description

prismaCR

## Article Nr.

WM 29960

CE 0197

Please refer to the currently valid price list.



**Headquarters**  
Löwenstein Medical  
Kronsaalsweg 40  
22525 Hamburg, Germany  
T. +49 40 54702-0  
F. +49 40 54702-461  
info@loewensteinmedical.com

**Headquarters**  
Löwenstein Medical  
Arzbacher Straße 80  
56130 Bad Ems, Germany  
T. +49 2603 9600-0  
F. +49 2603 9600-50  
info@loewensteinmedical.com  
loewensteinmedical.com

