

prisma20A

Therapy Flexibility for Obstructive Sleep Apnea (OSA)

Equipped with Forced Oscillation Technique (FOT), prisma20A reliably distinguishes obstructive from central apnea. In response to respiratory events, prisma20A automatically and continuously adjusts the pressure to the needs of the patient. Flexible setting options along with process-supporting and comfort-enhancing functions make possible safe, effective and whisper-quiet **APAP therapy Made in Germany**.

Major features at a glance

- Modes: CPAP, APAP
- Large touchscreen with smart menu navigation allows fast and intuitive operation
- Two options (standard, dynamic) in APAP mode
- Pressure relief softPAP, in softPAP 3 with additional inspiratory support
- Deep sleep indicator for sleep quality evaluation
- Comfort-enhancing functions such as autoSTART, autoSTOP, softSTART, pressure relief softPAP, mask test
- 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 about therapy updated daily, 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		prismaCHECK SpO ₂ module	WM 29390
prismaAQUA	WM 29680	Breathing tube Ø 22 mm Ø 15 mm	WM 24445 WM 29988	GSM modems for prisma CLOUD	
Filters		Breathing tube, autoclavable Ø 22 mm	WM 24667	2G worldwide	WM 31240
Bacteria filter	WM 24476	prismaHYBERNITE heated breathing tube		4G for EU	LMT 31831
Set of 12 pollen filters	WM 29652	Ø 22 mm	WM 29067	4G for Japan	LMT 31832
Power inverter		Ø 15 mm	WM 29083	4G for Canada	LMT 31833
24 V, Truck	WM 24617	Modules		Software	
12 V, Auto	WM 24616	prismaCONNECT	WM 29670	prismaTS	WM 93335
Transport bags		prismaPSG	WM 29690	therapy software	
prismaBAG basic	WM 29708	PSG module		complete with USB data cable	
prismaBAG premium	WM 29709				

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

Technical data

Product class as per Directive MDR (EU) 2017/745	II a	Alarms	leakage and disconnection	
Dimensions (W x H x D)	170 x 135 x 180 mm	Modes	CPAP, APAP	
Weight	about 1.4 kg	Mean sound pressure level/Operation ISO 80601-2-70	about 26.5 dB(A) at 10 hPa	
Temperature range • Operation • Transport and Storage	+5 °C to +40 °C -25 °C to +70 °C	CPAP/APAP operating pressure range	4 to 20 hPa	
Permitted humidity, operation and storage	rel. humidity 15% to 93%	Pressure accuracy	<20 hPa ± 0.6 hPa, ≥ 20 hPa ± 0.8 hPa	
Pressure range	700 – 1060 hPa corresponds to altitude of 3000 m above sea level	Highest flow as per ISO 80601-2-70, CPAP and APAP mode, with humidifier, 19-mm breathing tube	4.0 hPa 8.0 hPa 12.0 hPa 16.0 hPa 20.0 hPa	221 l/min 224 l/min 218 l/min 213 l/min 207 l/min
Electric rating	max. 40 VA	Stability of dynamic pressure (short-term accuracy) at 10 breaths/min as per ISO 17510-1:2007 with 19-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
System interface	12 V DC max. 10 VA			
Power consumption in • Operation (treatment): • Standby:	240 V 100 V 0.11 A 0.25 A 0.035 A 0.022 A			
Classification as per EN 60601-1-11				
• Type of protection from electric shock:	protection class II			
• Level of protection from electric shock:	type BF			
• Protection from damaging ingress of water and solids:	IP21			

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Device description

Article Nr.

CE 0197

prisma20A

WM29600

Please refer to the current price list.



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