

prisma SOFT prisma SMART

CPAP and APAP therapy. Reliable. Comfortable. Economical.

With prisma SMART and prisma SOFT, we offer you modern and reliable CPAP and APAP therapy, featuring precise event recognition, increased patient comfort, and simple operation.

The most important features at a glance

- Two dynamic options for pressure adjustment in APAP mode
- Deep sleep indicator prisma RECOVER for evaluation of sleep quality
- Several convenience functions such as autoSTART, softSTART, pressure relief softPAP
- Detection of periodic breathing, RERA, snoring, hypopnea, apnea, and flow limitations
- Reliable differentiation of obstructive apnea from central apnea, thanks to FOT (Forced Oscillatory Technique)
- Extensive range of prisma accessories
- Diverse interfaces (SD, PSG, LAN)
- Unheard-of silence
- Option to choose between a 15 and 19 mm breathing tube

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.
- **prisma JOURNAL**
Everything at a glance for patients, with no need to transmit data.



Accessories

prismaAQUA Humidifier	WM 29680	Breathing tubes		Modules	
Set of 12 pollen filters	WM 29652	Breathing tube Ø 15 mm	WM 29988	prismaPSG PSG module	WM 29690
DC Adapter 12/24 V	WM 24469	Ø 19 mm	WM 24445	prisma HUB	WM 31660
Medistrom™ Pilot-24 lite Battery	WM 31704	Breathing tube, autoclavable Ø 19 mm	WM 24667	Modem for prisma CLOUD	WM 31740
Transport Bags				Software	
prismaBAG basic	WM 29708	HYBERNITE Superday Heated breathing tube Ø 19 mm	WM 29045	prismaTS Therapy software complete with USB data cable	WM 93335
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 93/42/EEC	II a	Mean sound pressure level/Operation ISO 80601-2-70	approx. 26.5 dB(A) at 10 hPa
Dimensions (W x H x D)	170 x 135 x 180 mm	CPAP operating pressure range	4 to 20 hPa
Weight	ca. 1.2 kg	softSTART adjustable	5 to 45 min
Temperature range • Operation: • Transport and Storage:	+5 °C to +40 °C -25 °C to +70 °C	Highest flow as per ISO 80601-2-70 Mean flow at patient connection port, 19-mm tube	4.0 hPa: 150 l/min 8.0 hPa: 174 l/min 12.0 hPa: 174 l/min 16.0 hPa: 170 l/min 20.0 hPa: 164 l/min
Permitted humidity, operation and storage	rel. humidity 10% to 95%, no condensation	Stability of dynamic pressure (short-term accuracy) at 10 breaths/min. as per ISO 80601-2-70 at:	With 22-mm breathing tube, with and without humidifier: $\Delta p \leq 0.3$ hPa $\Delta p \leq 0.4$ hPa $\Delta p \leq 0.5$ hPa $\Delta p \leq 0.5$ hPa $\Delta p \leq 0.6$ hPa
Pressure range	700 hPa to 1060 hPa, corresponds to altitude of 3000 m above sea level automatic altitude adjustment	4.0 hPa 8.0 hPa 12.0 hPa 16.0 hPa 20.0 hPa	
Electric rating	max. 40 VA	Stability of static pressure (long-term accuracy) ISO 80601-2-70	$\Delta p < 0.25$ hPa +/- 3 % of measurement
System interface	24 V DC max. 5 VA	Pollen filter to 1µm to 0,3µm	Filter class E10 ≥ 99.5 % ≥ 85 %
Power consumption • in operation (treatment): • during standby:	240 V 100 V 0.16 A 0.36 A 0.035 A 0.061 A		
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		

Device description

Order no.

prisma SOFT, CPAP therapy device	LMT 31795-1110
prisma SMART, APAP therapy device	LMT 31785-1110

CE 0197

Please refer to the current price list.



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