

prismaLAB

The Precise Titration Device for All Cases.

The titration device prismaLAB offers intuitive navigation and simplified parameter setting. Quick and easy operation is ensured in prismaLAB and all other devices in the prismaLINE by the perfect symbiosis between the modern touch-screen and smart user interface. In prismaLAB, all modes and attributes required for titration are available in a single device. Via the PC software prismaTS, changes to mode and pressure can be made directly on the titration device – very gently and carefully for the patients. **That's what titration Made in Germany means to us.**

Major features at a glance

- Modes: CPAP, APAP, AcSV, S, autoS, S/T, autoS/T, T, aPCV
- Continued therapy and soft pressure transitions at change of mode during the night
- Continuous check of mask fit, automatic mask recognition and mask test
- High resolution therapy data for up to 14 days and detailed statistics for 366 days
- Therapy software prismaTS for data analysis and remote control
- With SD card and USB port
- Telemedicine connection via modem for prisma CLOUD
- Eight clearly identified analog signals for PSG feed
- Intelligent humidification without extra sensors provided by smartAQUAcontrol (with use of prismaAQUA)
- Comfort functions such as autoSTART-STOP and softSTART
- Heated breathing tube prismaHYBERNITE
- Easy-to-use accessories

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	WM 24445		
Filters		Ø 15 mm	WM 29988	GSM modems for prisma CLOUD	
Bacteria filter	WM 24476	Breathing tube, autoclavable Ø 22 mm	WM 24667	2G worldwide	WM 31240
Set of 12 pollen filters	WM 29652	prismaHYBERNITE heated breathing tube Ø 22 mm	WM 29067	4G for EU	LMT 31831
Power inverter		Ø 15 mm	WM 29083	4G for Japan	LMT 31832
24 V, Truck	WM 24617	Modules		4G for Canada	LMT 31833
12 V, Auto	WM 24616	prismaCONNECT	WM 29670	Software	
Transport bags		prismaPSG PSG module	WM 29690	prismaTS therapy software complete with USB data cable	WM 93335
prismaBAG basic	WM 29708				
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	Modes	CPAP, APAP, AcSV, S, autoS, S/T, autoS/T, T, aPCV
Dimensions (W x H x D)	170 x 135 x 180 mm	Mean sound pressure level/Operation ISO 80601-2-70	about 26.5 dB(A) at 10 hPa
Weight	about 1.4 kg	CPAP/APAP operating pressure range	4 to 20 hPa
Temperature range • Operation • Transport and Storage	+5 °C to +40 °C -25 °C to +70 °C	BiLevel operating pressure range	4 to 30 hPa
Permitted humidity, operation and storage	rel. humidity 15% to 93%	AcSV operating pressure range	4 to 30 hPa
Pressure range	700 – 1060 hPa corresponds to altitude of 3000 m above sea level	Relative inspiration time: Ti/Tset	25% to 67%
Electric rating	max. 40 VA	Trigger	auto or can be set at 3 levels
System interface	12 V DC max. 10 VA	Pressure increase speed	can be set at three levels
Power consumption in • Operation (treatment): • Standby:	240 V 100 V 0.11 A 0.25 A 0.035 A 0.022 A	Back up frequency	auto, 0 bpm to 35 bpm
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	Pressure accuracy	<20 hPa ± 0.6 hPa, ≥ 20 hPa ± 0.8 hPa
Alarms	leaks, disconnection (tube), apnea, low minute volume, low tidal volume	Highest flow as per ISO 80601-2-70, modes BiLevel and AcSV, humidifier, 19-mm breathing tube	4.0 hPa 221 l/min 8.0 hPa 224 l/min 12.0 hPa 218 l/min 16.0 hPa 213 l/min 20.0 hPa 207 l/min
		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 Δp ≤ 0.24 hPa 10.0 hPa Δp ≤ 0.28 hPa 13.5 hPa Δp ≤ 0.30 hPa 20.0 hPa Δp ≤ 0.40 hPa

Device description

prismaLAB with prismaAQUA

Article Nr.

WM 29980

CE 0197

Please refer to the current price list.

Made in
Germany


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

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

