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**.

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.

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
- Intelligient 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

Accessories

Humidifier		Breathing tubes		Modules	
prismaAQUA	WM 29680	Breathing tube		prismaCONNECT	WM 29670
		Ø 22 mm	WM 24445	prismaPSG	WM 29690
Filters		Ø 15 mm	WM 29988	PSG module	
Bacteria filter	WM 24476			prismaCHECK	WM 29390
Set of 12 pollen filters	WM 29652	Breathing tube, autoclavable		SpO₂ module	
		Ø 22 mm	WM 24667	Modem for prisma CLOUD	WM 31240
Power inverter					
24 V, Truck	WM 24617	prismaHYBERNITE		**Software**	
12 V, Auto	WM 24616	heated breathing tube		prismaTS	WM 93335
		Ø 22 mm	WM 29067	therapy software	
Transport bags		Ø 15 mm	WM 29083	complete with USB data cable	
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 93/42/EEC	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			BILevel operating pressure range	4 to 30 hPa
• Operation	+5 °C to +40 °C			
• Transport and Storage	-25 °C to +70 °C		AcSV operating pressure range	4 to 30 hPa
Permitted humidity, operation and storage	rel. humidity 10% to 95%, no condensation		Relative inspiration time: Ti/Tset	25% to 67%
Pressure range	700 – 1060 hPa corresponds to altitude of 3000 m above sea level		Trigger	auto or can be set at 3 levels
Electric rating	max. 40 VA		Pressure increase speed	can be set at three levels
System interface	12 V DC max. 10 VA		Back up frequency	auto, 0 bpm to 35 bpm
			Pressure accuracy	<20 hPa ± 0.6 hPa, ≥ 20 hPa ± 0.8 hPa

Power consumption in	240 V	100 V
• Operation (treatment):	0.11 A	0.25 A
• Standby:	0.035 A	0.022 A

Classification as per EN 60601-1-11

• T ype 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

Alarms	leaks, disconnection (tube), apnea, low minute volume, low tidal volume

Highest flow as per ISO 80601-2-70, modes Bilevel and 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

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	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

Device description	Article Nr.
prismaLAB with prismaAQUA	WM 29980

Please refer to the current price list.

CE 0197

made in **GERMANY**

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With people in mind