



prismaLAB

Titration device



The precise titration device for every need

The prismaLAB titration device features intuitive navigation and simple setting of therapy parameters. Like all prismaLINE devices, prismaLAB offers quick operation with perfectly coordinated state-of-the-art touch screen and smart Graphical User Interface. All modes and features of the prismaLINE are available in a single device for titration. All changes to modes and pressure levels can be conveniently made via the PC software prismaTS to ensure especially gentle care of the patient. That's what "Titration Made in Germany" means to us.

Major features

- Equipped with all modes and functions of prismaLINE therapy devices – from CPAP to innovative AcSV (Anticyclic Servoventilation)
- 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
- Comfort functions such as autoSTART-STOP and softSTART
- Heated breathing tube prismaHYBERNITE
- Easy-to-use accessories

prismaLINE. A platform to trust

prismaLINE is the intelligent system solution for treatment of respiratory disorders.

The prismaLINE represents a new dimension in operating convenience. The combination of a large monitor (touch screen or LED) and smart Graphical User Interface allows more intuitive and faster use than ever before.

This exceptional operating concept is found throughout the prismaLINE portfolio. Every prismaLINE device provides the user with ideal support for all kinds of work processes and for connectivity and accessories too.

prismaLINE offers the right device for every type of therapy in Löwenstein Medical quality: precise, reliable and unheard-of stillness.

prismaLINE: Synonymous with modern sleep therapy Made in Germany.



Accessories



prismaAQUA – WM 29680
Humidifier



prismaCONNECT
WM 29670



prismaPSG – WM 29690
PSG Module

Accessories (not shown)

Inverter 24V, lorry – WM 24617
 Inverter 12V, car – WM 24616
 prismaTS – WM 93335
 Therapy software, complete with USB data cable
 Bacteria filter – WM 24476
 Set of 12 pollen filters – WM 29652
 Breathing tube, Ø 22 mm – WM 24445
 Breathing tube, Ø 15 mm – WM 29988
 Autoclavable breathing tube, Ø 22 mm – WM 24667
 Heated breathing tube,
 prismaHYBERNITE, Ø 15 mm – WM 29083
 prismaHYBERNITE, Ø 22 mm – WM 29067
 prisma CHECK, SpO₂ module – WM 29390
 Modem for prisma CLOUD - WM 31240

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

Technical data

Product class as per Directive 93/42/EEC	IIa	Modes	CPAP, APAP, AcSV, BiLevel S, autoS, S/T, autoS/T, T, aPCV
Dimensions (W x H x D)	170 x 135 x 180 mm	Mean sound pressure/ Operation as per ISO 80601-2-70	about 26.5 dB(A) at 10 hPa (corresponds to sound pressure of 34.5 dB(A))
Weight	about 1.4 kg	CPAP operating pressure range	4 to 20 hPa
Temperature range • Operation: • 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 10 % to 95 %, no condensation	AcSV operating pressure range	4 to 30 hPa
Air pressure range	700 – 1060 hPa corresponds to altitude of 3000 meters	Relative inspiration time: Ti/Tset	25% to 67%
Diameter of breathing tube	22 mm or 15 mm	Trigger	auto or can be set at 3 levels
Electric rating	max. 40 VA	Druckanstiegsgeschwindigkeit	einstellbar in 3 Stufen
System interface	12V DC max. 10VA	Back up frequency	0 bpm, 5 - 35 bpm, auto
Power consumption in • Operation (treatment): • Standby:	230V 115V 0.11 A 0.22 A 0.036 A 0.019 A	Pressure accuracy	< 20 hPa ± 0.6 hPa, ≥ 20 hPa ± 0.8 hPa
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	Peak 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
Alarms	leaks, disconnection (tube), apnea, low minute volume, low tidal volume	stability of the dynamic pressure (short-term accuracy) for 10 breaths/min as per ISO 17510-1:2007 with use of the 22-mm tube.	7.0 hPa Δp ≤ 0.24 hPa 10.0 hPa Δp ≤ 0.28 hPa 13.5 hPa Δp ≤ 0.3 hPa 20.0 hPa Δp ≤ 0.4 hPa

Device description
prismaLAB with prismaAQUA

Ord. Nr.
WM 29980



Please refer to the current price list.

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