prismaLAB

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 for titration. Changes to modes and pressure can be made via computer. Gentle patient care and convenient operation are combined in our titration device Made in Germany.

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 14 days and detailed statistics for 366 days
- With the modules prismaCONNECT and prismaPSG, simply connect to any PSG with up to eight clearly distinguished analog signals for PSG feed
- With SD card and USB port
- Digital prisma connection (DPC)
- Also available as portable, pre-configured prismaLABset option in prismaBAGbutler. Ideal for flexible, outpatient installations.
- Remote management (prismaTSlab) via LAN with therapy software prismaTS
- Comfort functions such as softSTART and autoSTART-STOP
- 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 state-of-the-art touch screen and smart Graphical User Interface makes possible unprecedented intuitive and therefore fast usage.

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.

LÖWENSTEIN
medical

Accessories

prismaAQUA – WM 29680
Humidifier

prismaCONNECT
WM 29670

prismaPSG – WM 29690
PSG Module

Accessories (not shown)

Inverter 24 V, lorry – WM 24617
Inverter 12 V, 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, SpO$_2$ module – WM 29390

*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, BILevel S, auto S, BILevel S/T, autoS/T, BILevel T, AcSV, aPCV
Dimensions (W×H×D)	170 × 135 × 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		
Temperature range • Operation: • Storage:	+5 °C to +40 °C -25 °C to +70 °C	CPAP operating pressure range	4 to 20 hPa
		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%
		Trigger Inspiration (Trigger IN) Trigger Expiration (Trigger EX)	auto or can be set at 3 levels auto or can be set at 3 levels
Diameter of breathing tube	22 mm or 15 mm		
Electric rating	max. 40 VA	Back up frequency	0 bpm, 5 bpm to 35 bpm, auto
System interface	12 V DC max. 10 VA	Pressure accuracy	< 20 hPa ± 0.6 hPa, ≥ 20 hPa ± 0.8 hPa

Power consumption in	230 V	115 V
• Operation (treatment):	0.11 A	0.22 A
• Standby:	0.036 A	0.019 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
Alarms	leaks, disconnection (tube), apnea, low minute volume, low tidal volume

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

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	Ord. Nr.
prismaLAB with prismaAQUA 29980	WM 29980
prismaLABset with prismaAQUA 29995	WM 29995
prismaLABset PSG with prismaAQUA 29996	WM 29996

Please refer to the current price list.

CE 0197

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