



prisma20C

CPAP therapy device



CPAP therapy with softPAP and FOT

Features intuitive navigation and setting of therapy parameters. As with all device variants in the prismaLINE, prisma 20C offers quick operation, thanks to the perfectly coordinated interaction between the state-of-the-art touch screen and smart Graphical User Interface.

With the help of Forced Oscillation Technique (FOT), prisma20C distinguishes between obstructive and central events and gives the doctor a solid foundation for diagnostic and treatment decisions. That is what we call CPAP therapy Made in Germany.

Major features

- Identification of periodic breathing, RERA, snoring, hypopnea and flow limitations
- Pressure relief softPAP, additionally for inspiration support at low pressures (softPAP 3)
- Continuous mask fit check and automatic mask recognition, 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	Classification as per EN 60601-1-11	
Dimensions (W x H x D)	170 x 135 x 180 mm	• Type of protection from electric shock	protection class II
Weight	about 1.4 kg	• Level of protection from electric shock:	type BF
Temperature range		• Protection from damaging ingress of water and solids:	IP21
• Operation:	+5 °C to +40 °C	Alarms	leak and disconnection
• Storage:	-25 °C to +70 °C	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))
Permitted humidity, operation and storage	rel. humidity 10 % to 95 %, no condensation	CPAP/APAP operating pressure range	4 to 20 hPa
Air pressure range	700 – 1060 hPa corresponds to altitude of 3000 meters	Pressure accuracy	< 20 hPa ± 0.6 hPa
Diameter of breathing tube	22 mm or 15 mm	Peak flow as per ISO 80601-2-70, modes CPAP without humidifier	
Electric rating	max. 40 VA	4.0 hPa	235 l/min
System interface	12V DC max. 10 VA	8.0 hPa	230 l/min
Power consumption in	230V 115V	12.0 hPa	220 l/min
• Operation (therapy):	0.11 A 0.22 A	16.0 hPa	215 l/min
• Standby:	0.036 A 0.019 A	20.0 hPa	210 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

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Ord. Nr.

WM 29630



Please refer to the current price list.

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