



prisma30ST-HFT

BiLevel ST with adjustable target volume and High Flow Therapy option.



Versatile. Reliable. Comfortable.

prisma30ST-HFT is the therapy device of choice for treatment of patients with Sleep-Disordered Breathing, chronic reduced respiratory drive and respiratory insufficiency.

Equipped with a variety of BiLevel options, target volume, backup frequencies and High Flow option, prisma30ST-HFT provides effective ventilation support that leads to lasting treatment success.

Major features at a glance

- Modes CPAP, APAP, S, T, S/T, autoS/T, aPCV and High Flow.
- Broad pressure range (4 – 30 hPa)
- State-of-the-art connectivity: Telemedicine (telemonitoring, telesetting), SD card, USB, LAN, PSG.
- SCOPES for indication-specific pre-settings
- Identification of periodic breathing, RERA, snoring, hypopnea, apnea and flow limitations
- With indicators for deep sleep and respiratory stability
- With adaptive ramps (IN/EX) and auto Trigger (IN/EX)
- Comfort functions such as autoSTART, autoSTOP, softSTART, softSTOP
- With smartAQUAcontrol (with use of prismaAQUA); intelligent humidification without extra sensors
- Additional High-Flow Therapy (HFT) option
 - Flushing of dead space and CO₂ elimination
 - Humidification and warming of the airways
 - Oxygenation improvement
 - Reduction in spontaneous respiratory rate

Accessories

Humidifier		Breathing tubes		For High-Flow Therapy only
prismaAQUA	WM 29680	Breathing tube Ø 22 mm	WM 24445	prisma VENT AQUA Humidifier 100506
Filters		Breathing tube Ø 15 mm	WM 29988	
Bacteria filter	WM 24476	Breathing tube Autoclavable Ø 22 mm	WM 24667	High-Flow leakage 271705 (i), auto-fill chamber; passive valve, Connection for HFT nasal cannula (150 cm + 60 cm, 22 mm Ø)
Set of 12 pollen filters	WM 29652	prismaHYBERNITE, Ø 15 mm Heated breathing tube	WM 29083	
Modules		prismaHYBERNITE, Ø 22 mm Heated breathing tube	WM 29067	Oxi Plus High-Flow nasal cannula Sold in packages of 15
prismaCHECK SpO ₂ module	WM 29390	Software		Size 2 270822 Size 3 270823 Size 4 270824
prismaCONNECT	WM 29670	prismaTS Therapy software complete with USB data cable	WM 93335	
prismaPSG PSG module	WM 29690			
Modem for prismaCLOUD	WM 31240			

Technical data

Product class as per Directive 93/42/EEC	IIa	Alarms	apnoe, low minute volume, low tidal volume, disconnection, high leak (optional)
Dimensions (W x H x D)	170 x 135 x 180 mm	CPAP operating pressure range	4 hPa to 20 hPa
Weight	1.4 kg	BiLevel operating pressure range	4 hPa to 30 hPa
Temperature range • Operation: • Transport and Storage:	+5 °C to +40 °C -25 °C to +70 °C	HFT flow	adjustable 10 l/min to 60 l/min
Permitted humidity, operation and storage	rel. humidity 15% to 93%, no condensation	Pressure accuracy	< 20 hPa: ± 0.6 hPa ≥ 20 hPa: ± 0.8 hPa
Air pressure range	700 hPa to 1060 hPa, corresponds to altitude of 3000 meters	Target volume	adjustable 300 to 2,000 ml
Electric rating	max. 40VA	Backup frequency	0 bpm, 5 to 35 bpm, auto
System interface	12V DC max. 10VA	softSTART, softSTOP adjustable	5 to 45 min
Power consumption in • Operation (treatment): • Standby:	240V 100V 0.11 A 0.25 A 0.035 A 0.022 A	- Ti - Ti min - Ti max - Ti timed	0.3 s to 4 s 0.3 s to 4 s 0.3 s to 4 s auto, 0.3 s to 4 s
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, BiLevel mode	4 hPa 235 l/min 10.5 hPa 225 l/min 17 hPa 215 l/min 23.5 hPa 200 l/min 25 hPa 195 l/min 30.0 hPa 190 l/min
Mean sound pressure/ Operation as per ISO 80601-2-70	about 26,5 dB(A) at 10 hPa	Stability of the dynamic pressure (short-term accuracy) as per ISO 80601-2-70 in modes with two pressure levels	at 10 bpm inspiratory Δp = 0.8 hPa at 15 bpm inspiratory Δp = 1.4 hPa at 20 bpm inspiratory Δp = 2.4 hPa at 10 bpm expiratory Δp = 0.6 hPa at 15 bpm expiratory Δp = 0.6 hPa at 20 bpm expiratory Δp = 0.6 hPa

Device description	Ord. Nr.
prisma30ST-HFT	WM 29730

Please refer to the current price list.

CE 0197



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