

PRISMA SMART & SOFT PLUS & MAX

Provider Quick Guide

Device Overview



FUNCTIONS



Modes

CPAP, APAP (Prisma SMART plus & max only)



APAP Modes

std (standard) & dyn (dynamic)



Comfort-enhancing functions

autoSTART, autoSTOP, softSTART (ramp), pressure relief softPAP, mask test, PrismaAQUA humidifier with adjustable humidity (5 levels), heated tube



Modern connectivity

Inbuilt bluetooth, additional inbuilt cellular connectivity for telemedicine (Prisma SMART & SOFT max), SD card

Opening the clinical menu

1. Hold down the menu key and softSTART (ramp) key simultaneously
2. The clinical menu opens



Navigating the menu

To call up the settings menu, press the ([+] key).

	Scroll forward through menu
	Scroll back through menu
	Confirm Value
	Discard Value

	Increase value/change displayed time period
	Reduce value/change displayed time period
	Exit Menu, Back to start screen

SPECIAL FEATURES

Benefits for Provider and Patient.



Convenient Telemedicine options

Prisma APP helps patients engage with their therapy journey and find improvements (more information available)



Prisma CLOUD offers telemedicine solutions for providers, both for day-to-day reporting and remote changes to device settings. Prisma CLOUD also offers provision for patient/s to be shared with another practice (e.g., doctor).

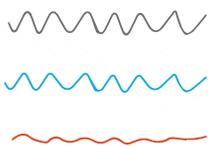
prisma CLOUD



Precise Event Recognition

The prerequisite to effective treatment. "Forced Oscillation Technique" (FOT) delivers reliable, precise differentiation between central and obstructive apnea. Additional technologies analyse tidal volume and flow signal to reliably (and uniquely) differentiate central and obstructive hypopnea. Other events recognised are periodic breathing, flow limitations, RERA, and snoring.

Forced Oscillation Technique (FOT)



Without respiratory drive: Oscillatory pressure signal generates air flow and measures resistance in upper airways.

Strong flow of air (low reflection of pressure wave): open upper airways

Low or no flow of air (strong reflection of pressure wave): obstruction in upper airways



Effortless controls

The combination of large keys, large LED screen, and logical menu navigation ensures intuitive and quick use. Patients appreciate the large clock display.



Algorithm (pressure reaction) designed to fit patient's needs

Patients react with varying sensitivity to pressure adjustments. For effective therapy and breathing comfort, two options are available in APAP mode:

1. Dyn (dynamic) pressure adjustment for maximum normalization of inspiratory curve (especially mild flow limitations and snoring)
2. Std (standard) pressure adjustment with equal reliability in cases of serious events such as apnea and hypopnea and gentler pressure reaction for mild events, aimed at encouraging patient acceptance especially new users.

Additional mechanism prevents unnecessary pressure increases in response to central events with closed upper airways.



Adaptive and efficient algorithm (pressure reaction) for quality sleep

Overall algorithm mechanism is designed to achieve efficiency (lowest possible effective treatment pressures). The algorithm's adaptive nature (dynamic modulation based on min and max pressure setpoint) allows further tailoring of response to optimise quality of treatment for the patient's experience.

Pressure Range*	Increase to Breathing Events	Decrease to Absence of Breathing Events
1st Quarter	"INTENSE" response	"GRADUAL" relief
2nd Quarter	"MODERATE" response	"MILD" relief
3rd Quarter	"MILD" response	"MODERATE" relief
4th Quarter	"GENTLE" response	"RAPID" relief

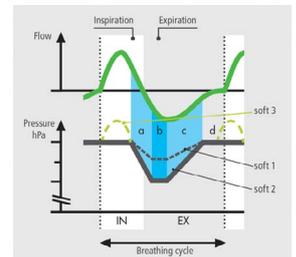
*Per the Pmin & Pmax Setpoints



Pressure relief softPAP

During treatment, the pressure in CPAP and APAP modes is decreased at the start of expiration and then increased again to therapy pressure at the end of expiration/ commencement of next inspiration. The goal is to both make exhalation easier and effectively prevent events.

SoftPAP Level 1 (mild to moderate relief) and Level 2 (moderate to high relief) are offered with Prisma SMART & SOFT plus & max models. All pressure relief is proportional based on pressure level, and the speed of ramping back up to prescribed pressure during expiration is based on breathing frequency.



Deep sleep indicator

During therapy, Prisma RECOVER continuously analyses the patient's breathing pattern and recognizes the phases of stable respiration that indicate deep sleep, a particularly restorative sleep phase. Understandably, deep sleep is tricky to estimate with great accuracy; however, this score helpfully indicates the stability of breathing with a correlation to quality of sleep and outcome for that individual. For the first time ever, this function can assess therapy success regarding sleep quality in Prisma APP, Prisma JOURNAL, PrismaTS or telemonitoring with Prisma CLOUD.



Quietness & Quality

Prisma SMART & SOFT max & plus offer German quality right through to the internals. The device utilises a German centrifugal fan which is extremely quiet, pleasant, and offers a remarkable service life of 22,500 hours.

