



# prismaLINE

A platform to trust

The system solution for treatment of respiratory disorders.

*A Company of the Löwenstein Group*

**WEINMANN**  
medical technology



# Trust in prismaLINE

Welcome to the comfort zone.

## **The system solution for respiratory disorders**

*What you see here is not just a new sleep therapy device, but part of an innovative platform called prismaLINE. It contains intelligent solutions for titration and treatment of respiratory disorders. Designed to support all relevant work processes, the platform also offers exactly the right device for every type of therapy. Patients and doctors can trust in this effective and convenient therapy management.*

## **One look, several options**

All therapy devices in the prismaLINE have the same design, accessories, connection ports and means of operation. The usage concept, which combines modern touch screen technology with a smart Graphic User Interface, is unique in this area of application. Every device is designed for simple and intelligent operation.

## **Straight to successful treatment**

prismaLINE unites a completely new usage experience with proven Weinmann technology in trusted quality. For titration, therapy monitoring or service, the innovative platform concept reliably helps users to get straight to their goals.

### **One platform – many advantages**

- Standardized operation
- Standardized data management
- Standardized range of accessories
- Standardized interfaces

### **Benefits for patients and doctors**

- Greater operating convenience
- Fast treatment success
- Modern, compact design
- Ideal process support
- Made in Germany

# Trust in intuition

Intelligence you can feel: Touch screen and intuitive user navigation.



## ***User-friendly technology for the most efficient operation ever***

*Intuitive operation with touch technology eliminates the need for many keys and offers intelligent, user-friendly navigation. The user trusts his new device from the very start while experts also benefit from the devices' intuitive operation, whose primary goal is to make work processes as efficient as possible.*

## ***The right menu for each user: informative and easy-to-understand***

*Different menus for patients and experts ensure that only the information relevant to the current operation is displayed on the corresponding user interface. The result: more space for information, less room for operating errors.*

## ***Standardized operation for the entire platform***

*The benefit of standardized operation is obvious. Once the user has learned the basics, he can use all the other therapy devices in the prismaLINE.*

***The platform's innovative operation impresses expert and patient alike:  
Efficiency for the expert and motivation for the patient***

- Highly legible, modern and intuitive touch display
- Quick access to relevant information and setting options
- Assistance with mask adjustment
- Continuous feedback on mask fit during therapy
- Therapy feedback on previous night
- Additional functions, including time display and alarm clock



**Expert's view:** highly informative and supportive



**Patient's view:** clear and concise

**Orderly: The accompanying software solutions**

As with the therapy devices of the prismaLINE, our software solutions prismaTS and prismaTSlab were developed for intuitive user navigation. The software solutions ensure perfect presentation of all relevant data for every process, from titration to therapy monitoring.

**prismaTS: For fast and flexible patient management**

prismaTS offers flexible patient management and a quick summary of therapy or detailed analysis. The software solution also provides fast and easy assignment of patients to devices. Other innovations include an optimized therapy calendar and patient files, plus an improved summary of the course of nighttime therapy. Detailed information can be called up at any time.



**Titration with prismaLAB**

All modes in the prismaLINE are available on the titration device prismaLAB. That means that the trained operator does not have to work with many devices but can prepare all types of therapy on a single device with centralized settings. Thanks to this added convenience, the operator can quickly and simply set up the titration process for many different patients.

**prismaTSlab: Simple titration and reliable monitoring**

The prismaLAB remote control gives experts complete access to and a clear presentation of all relevant parameters. Changes in the settings and comfort parameters can be made at any time and transmitted to the device via a LAN connection.



prismaLABset





# Trust in performance

Bulging with experience.



## ***Effective algorithms and state-of-the-art technology turn every treatment into a success story***

*The prismaLINE contains the best from many decades of successful research and development by Weinmann. There's good reason why our partners around the world trust our auto-regulating and titrating algorithms and their long-term effectiveness.*

## ***Weinmann. The FOT pioneer***

Our CPAP and APAP therapy devices prisma20C and prisma20A use the Forced Oscillation Technique (FOT) to reliably distinguish between obstructive and central apnea events. FOT is a particularly sensitive method that uses the resulting airflow and pressure to measure resistance and obstructions in the upper airways and to respond accordingly. For the patient FOT from Weinmann means adequate treatment and much more comfortable breathing as the device prevents unnecessary pressure increases when central apnoe is detected.

## ***Weinmann. The optimizer of anticyclic servoventilation***

Anticyclic servoventilation (AcSV) is now even more effective in the treatment of Cheyne-Stokes respiration. Thanks to intra-breath regulated pressure difference, prismaCR ensures a quick anticyclic action without phase displacement. During a single breath the patient receives stabilizing ventilatory support tailored to his specific needs. The device effectively prevents central events after hyperventilation while the optimized, target volume-related backup frequency gives the patient better support in hypoventilation phases.

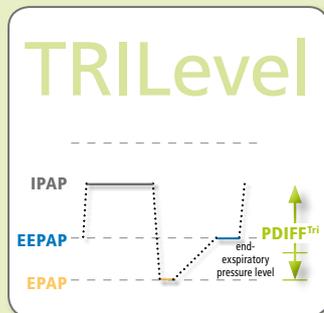
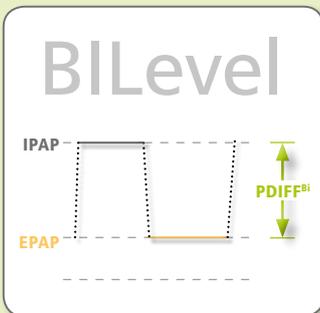


**Weinmann. The inventor of autoTRILEvel**

With the combination of two proven types of therapy, autoBilevel and APAP, Weinmann's autoTRILEvel principle offers outstanding therapy effectiveness. Even in cases of complex breathing patterns, autoTRILEvel determines the best setting for the patient. The titration and setting processes are less time-consuming, thanks to the automatic regulation and

low number of setting parameters. Benchtests\* have shown that the TRILEvel principle in comparison to BILEvel achieves the same end-expiratory splinting of the airways with a lower therapy pressure and a lower maximum IPAP pressure. Patients breathe more easily and have fewer side effects.

**Benchtest**



- IPAP:** inspiratory splint of airways (ventilation)
- EPAP:** eases exhalation with a low expiratory pressure level for a pleasant breathing sensation
- EEPAP:** required minimum pressure for adequate splinting of the upper airways; to prevent obstructive events during phase when risk of collapse is highest
- PDIFF (Δ IPAP-EPAP):** need-related ventilation support through adjustment of inspiratory (IPAP) and expiratory pressure levels (EPAP)

\* Source: 1 Klausmann, D; Pietruska, K; Bögel, M; Schwaibold, M; Randerath, WJ; Rühle, KH: Comparison of BiLevel and TriLevel Pressure Curves in a Benchtest for Use with Complex Sleep-Disordered Breathing. German-language Abstract V 376, Pneumologie, S 5 DGP 2012, Nuremberg

**Weinmann. The trailblazer for SCOPES**

The prismaLINE platform offers maximum flexibility with settings and indication-specific pre-settings (SCOPES). The user can select the right option to satisfy his particular needs. Our SCOPES do not limit flexibility in the readjustment of therapy parameters; changes can be made at any time.

All our device properties are aimed at direct, sustainable therapy success. The combination of exclusive operating convenience and timeless design makes the prismaLINE the ideal system solution for respiratory disorders. **In other words: performance that you can trust.**



# Trust in flexibility

Thanks to modular design, devices can be upgraded in all directions.

## *prismaLINE meets all needs with numerous add-ons*

All prismaLINE models look identical on the outside and offer standardized expansion interfaces. To modify devices for specific uses, the user can connect different modules to any device and combine devices with each other. With so much flexibility, doctors and patients can be sure that the ideal therapy solution will be found, no matter how complex the clinical picture is. .

## *Compatible and futuristic*

Data transmission can be made in any number of ways, all of which are based on proven industry standards that are manufacturer-independent. The therapy devices are equipped with interfaces for SD cards and USB for this purpose. Expansion modules for LAN and PSG are available; devices can be refitted for telemedicine via GSM.\*.

\*Legal regulations limit availability to certain countries.

## prismaLINE Portfolio

Feature	Indications	Name	Modes
Titration	–	prismaLAB	All modes
Servo-ventilator	Primarily CSR (Cheyne-Stokes Respiration)	prismaCR	CPAP, AcSV
	CSR and co-existing OSA (Obstructive Sleep Apnea)		
	Complex sleep apnea		
BiLevel	Obstructive, mixed or complex sleep apnea and/or respiratory insufficiency, or hypoventilation	prisma30ST*	CPAP, APAP, S, S/T, T, autoS/T, aPCV
	Respiratory insufficiency or hypoventilation	prisma30ST-C*	CPAP, S, S/T, T, aPCV
	Hypoventilation (e.g. in OHS)	prisma25ST	CPAP, APAP, S, S/T, autoS, autoS/T, T
	COPD (Chronic Obstructive Pulmonary Disease)		
	Overlap (e.g. co-existing COPD)		
	APAP	OSA with variable pressure needs	prisma25S
prisma25S-C*			CPAP, S
CPAP	OSA with fixed pressure needs	prisma20A	CPAP, APAP
CPAP	OSA with fixed pressure needs	prisma20C *	CPAP

Software prismaTS

\* Available in certain countries only

## prismaLINE add-ons and accessories



Weinmann Geräte für Medizin GmbH + Co. KG develops, produces and markets diagnostic and therapeutic solutions for sleep medicine and ventilation.

Products from the Hamburg-based, family-owned company are tailored exactly to the needs of patients and experts. Before market launch, every product goes through a certified validation process in research and development, procurement, production and quality management.

Weinmann, a Löwenstein Group company since 2013, is among the Top 3 in many of its demanding international markets, thanks to ideas, experience and innovation. Thanks too to the decades of trust that Weinmann's partners around the world have placed in our proven products Made in Germany.

[weinmann-medical.com](http://weinmann-medical.com)

#### Germany

Weinmann Geräte für Medizin GmbH + Co. KG  
Postfach 540268 ■ 22502 Hamburg  
Kronsaalsweg 40 ■ 22525 Hamburg

E: [info@weinmann-medical.com](mailto:info@weinmann-medical.com)  
[weinmann-medical.com](http://weinmann-medical.com)

T: +49 (0)40 547 02-0 Reception  
F: +49 (0)40 547 02-461 Reception  
T: +49 (0)40 547 02-100 Customer Service

Center for Production, Logistics, Service  
Weinmann Geräte für Medizin GmbH + Co. KG  
Siebenstücken 14 ■ 24558 Henstedt-Ulzburg

#### France

Weinmann S.A.S. – Paris-Igny  
T: +33 (0)169 355320  
[weinmann-france.fr](http://weinmann-france.fr)



#### Russia

Weinmann SPb GmbH – Moscow  
T: +7 (812)633 3082  
[weinmann.ru](http://weinmann.ru)



#### China

Weinmann GmbH + Co. KG  
(Shanghai Rep. Office)  
T: +86 21 32 26 26 98  
[weinmann.cn](http://weinmann.cn)



partner for life

A Company of the Löwenstein Group

**WEINMANN**  
medical technology