

Diagnosics

Sleep Diagnostics Solutions for Every Need.



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Daytime sleepiness, a decline in performance and cardiovascular diseases can all result from disordered sleep. People who have trouble falling asleep or sleeping through the night are advised to consult their doctor. Potential causes of the problem can be ruled out with a review of the patient's medical history and examinations such as ECG, lung function tests and a chest x-ray. If Sleep-Disordered Breathing (SDB) is suspected, a nighttime examination with a mobile recording device (polygraphy) can take place in the patient's home. This examination might yield the most frequent SDB diagnosis of obstructive sleep apnea.

When a patient is referred to a sleep lab, another overnight test (polysomnography) is made to support the mobile diagnosis and to find the right therapy settings. Respiratory events such as apnea (cessation of breathing) are recorded, sleep quality is determined by an EEG, and other parameters such as oxygen saturation of blood and leg movements are measured for subsequent analysis and interpretation.

Löwenstein accompanies the entire process with the right devices for which it offers the necessary accessories and consumables.



Screening

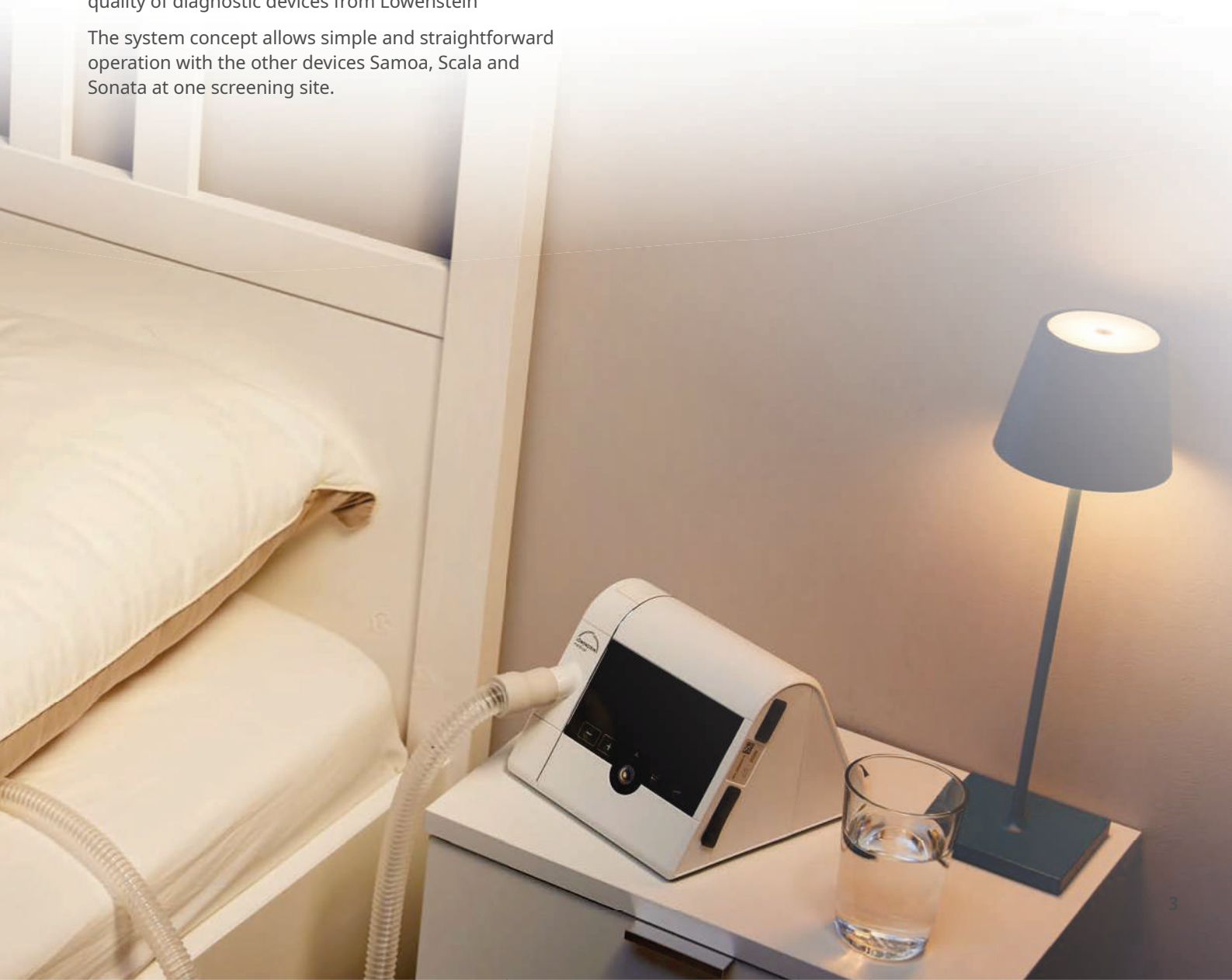
Samoa lite

Samoa lite can be used to detect Sleep-Disordered Breathing and monitor its treatment.

The device records important parameters such as respiration, body position, SpO₂, pulse and snoring throughout the night for the patient treated at home. The related software on the PC analyzes the data.

In everyday use, Samoa lite impresses users with its easy operation, meaningful data and the proven quality of diagnostic devices from Löwenstein

The system concept allows simple and straightforward operation with the other devices Samoa, Scala and Sonata at one screening site.



Polygraphy

Samoa

The 12-channel polygraphy device Samoa is intended for standard use in the diagnostic and therapeutic area. Samoa stands out from the rest with the attributes smart, simple & small.

SMART

The integrated Bluetooth interface allows wireless data transmission to the sleep therapy devices of the newest generation from Löwenstein.

SIMPLE

With its small dimensions and low weight, Samoa offers patients greater wearing comfort.

SMALL

The use of Samoa is self-explanatory, thanks to the integrated color display and intuitive plug-in and connection options.



Scala

Scala is primarily a standard polygraph device used to detect Sleep-Disordered Breathing. Equipped with 19 channels, it also offers a variety of other functions for different user groups – in a single device. Because Scala can do so much, the device may be used in medical specialty areas such as pneumology, cardiology, ENT, sleep medicine and neurology. The integrated differential pressure measurement makes Scala particularly suitable for monitoring ventilation settings.



Polysomnography

Sonata

Today's modern polysomnography systems have to satisfy many different requirements. With the new 65-channel PSG system Sonata, Löwenstein Medical offers a solution for a range of demanding uses. Based on more than 25 years of experience in sleep diagnostics, Löwenstein Medical developed a PSG system with simple operation, attractive design, ultra-modern technology and unmatched flexibility. Of course Sonata also boasts AASM compatibility, low follow-up costs and low maintenance.

