

Polygraphy goes to a new level



MiniScreen premium

DIAGNOSTICS



MiniScreen premium

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The premium version of the proven MiniScreen series satisfies the complex requirements of today's polygraph systems.

The high-quality technical properties based on more than 15 years of MiniScreen experience are united in one device with current demands for therapy monitoring under polygraphic conditions. MiniScreen premium proves to be a reliable polygraph for standard derivation in diagnostics and offers an integrated differential pressure measurement which permits the best possible capture of respiratory flow and pressure for monitoring purposes during PAP therapy. The differential pressure measurement shows its strengths particularly during use at high and quickly changing pressures.

The automatic recognition of autonomous arousals permits differentiated detection of hypopnea and RERA and delivers more specific findings.

MiniScreen premium is the perfect tool for handling current and future polygraphic tasks. The unbeatable arguments include device robustness, thoroughly tried-and-tested performance, low follow-up costs, simple operation and top signal quality even during PAP therapy with high pressures.

MiniScreen premium

Three reasons for making a good investment decision.

Flexible:

A light sensor and plethysmogram of the pulse wave are available. Modular expansion is possible for up to 39 channels with cardiological parameters. Eight analog signals can be fed into the system and 13 digital channels from prismaLINE devices can be integrated.

Ready for the future:

Continuous software development with free updates for the life of the device.

Effective:

Further reduction of operating costs made possible by several technological improvements, very reasonable financing options, fairly priced on-site service and free on-site training.



Use of MiniScreen premium in Non-Invasive Ventilation settings and monitoring

Equipped with integrated differential pressure measurement, MiniScreen premium offers high-quality signal capture in routine examinations, monitoring of ventilated patients outside the hospital and monitoring of therapies with high and quickly changing pressures.

The differential pressure measurement ensures accurate capture of the patient's respiratory flow even when mandatory breaths are applied. It therefore makes possible the reliable registration of the exact respiratory flow curve even at high pressures and the precise recognition of respiratory events.

For the use of MiniScreen premium in online monitoring of ventilated patients, Löwenstein Medical offers a combination of MiniScreen premium and the mobile functional unit for therapy management.

The system allows the following captured signals to be integrated smoothly into a polygraphic online recording:

- Feeds and analyses of therapy signals from other manufacturers
- Feeds and analyses of transcutaneous CO₂, SpO₂, pulse and plethysmogram
- Integration of audio and video
- Feeds of other signals such as pH metry are possible



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Technical Details

- 12 channels in the basic version:
Respiratory flow, thoracic and abdominal movements, SpO₂, pulse, snoring, position, ventilation pressure, light sensor, plethysmography, respiratory rate, phase shift T-A
- Expandable for up to 39 channels:
Thermistor, leg movements, ECG, pulse transit time, systolic blood pressure, eight analog channels for integration of external measuring systems and 13 digital signals from prismaLINE devices
- Dimensions:
14 x 6.2 x 3.5 cm (L x W x D)
- Weight:
160 g, including rechargeable battery
- Data storage:
Internal flash storage, several days' storage capacity
- Power supply:
Integrated Li-Ion rechargeable battery, charge status display



Special Features

- Modular expansion for up to 39 channels
- Customized software modification
- Integrated differential pressure measurement for best possible airflow and pressure displays during treatment
- Simple operation
- Low follow-up costs
- Software updates – free for life of device
- Proven quality for daily use
- Digital interface to therapy devices in the prismaLINE
- Trouble-free integration of external channels, video and audio signals
- Autonomous arousal recognition by means of pulse wave analysis; makes possible more precise determination of hypopnea and RERA
- Pre-programming of several recordings is possible

Manufacturer:

Löwenstein Medical GmbH & Co. KG, Arzbacher Straße 80, 56130 Bad Ems - Germany,
Phone: + 49 (0) 26 03/96 00-930, Fax: +49 (0) 26 03/96 00-40, Mail: LMD-sales@hul.de, Internet: hul.de