

Wireless noise level loggers,
for acoustic zone-monitoring

Sebalog NP



Benefits

- ▶ **Best results also on plastic pipes**
- ▶ **The ESA-value shows you the right street section**
- ▶ **Maximum reliability by evaluating noise level and frequency**
- ▶ **Simplest operation in the field**
- ▶ **Bi-directional radio link for logger programming and reading**
- ▶ **Drive by patrolling**



sebaKMT

Monitors pipe networks efficiently and economically



Reading and programming of loggers with radio link, analysis of data by PC

Data transmission via radio link while driving by



The unique Sebalog NP system is used for acoustic zone monitoring. It uses combined noise level and frequency loggers with radio transmission for short term or permanent monitoring in pipeline networks. The Sebalog NP is perfectly suitable for use on all pipe materials. Reliable results even on plastic pipes are achieved by evaluation of noise level and frequency.

► The Commander

The Commander is used to program the settings and to read the data from the Seba-Loggers. All of the necessary information is clearly displayed on its large display. If a logger recognised a leak, the Commander will immediately report this visually and acoustically when reading the data.

Programming via Radio

All of the important parameters, for the operation of the logger, can be programmed with a few simple clicks. Operating hours, recording time, number of measurements, time adjustment and much more can all be programmed via radio link.

Simple Operation using easyGO

SebaKMT's easyGO idea makes operation of the instrument easier considerably. Self-explaining menus, single-button operation and a large, clear display all characterise the idea of easyGO.

► The Seba-Logger

The Sebalog NP noise logger is the heart of the system. It is simply attached to pipe contact points (e.g. valve rods, hydrants), using a strong magnet. Due to its little height of only 110 mm – including the aerial – the logger fits into any small space. The Sebalog NP works continuously and needs no maintenance. The sound waves produced by a leak are recorded by the logger.

Bi-directional Radio Link

The logger can be programmed quickly and simply by radio link, without having to remove it from its position. All data can be transmitted this way. Bi-directional radio allows the sound level recorded by the loggers to be displayed on the Commander in real time, on the spot.

Easy and Efficient Use

Experience from field use for field use: The logger is turned on and off by simply turning it upside down. This feature allows reading the data and collecting the logger in one step.

Operational Data are always Up-To-Date

The internal clock of the logger is automatically synchronised with every radio contact. This ensures the measurement over the desired period.

Sebalog NP

► Reading out

Reading out the results and the first evaluation is no problem via radio link with the Commander or with the optional Reader. When driving past the installed loggers by car, the data is transferred via radio link to the Commander. It provides the user with the status of any leaks on the spot, both visually and acoustically. Of course, all of the information is stored in the Commander or Reader and can be evaluated at your convenience.

Evaluation and documentation on a PC

The data can easily be analysed and stored using the professional software solution included – SebalogView. An interface cable is used to transfer the data from the Commander. All of the measurements are displayed clearly and can thus be evaluated quickly and easily. All graphics can be printed out.

Unique: The logger's leak status is shown and documented in a digital pipe network diagram. The coloured differentiation in the display immediately provides an overview of the status of the pipe network being monitored. However, the software can do much more: Together with the optional Reader, the PC can be used instead of the Commander, making programming of the loggers even easier.

Analysis of the levels and frequencies

A reliable and clear statement on the condition of the leak is only possible with a simultaneous analysis of noise frequency and level. Measuring the frequency is a significant advantage on plastic pipes! In these pipes, the sound level attenuates very quickly, but the frequency can be used to provide a reliable diagnosis of a leak.

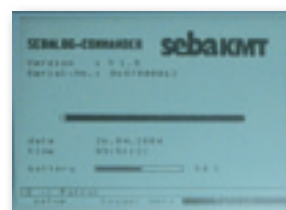
Continuously monitoring the network offers more reliability. Diagnosing leaks with the Sebalog NP system makes the job easier and saves time and money: fewer wrong leak locations, less waste of labour time, fewer misdiags.

It's so easy now to reduce the cost of monitoring pipe networks:

- Less night work
- Lower labour costs by quicker processing
- Fewer sources of error

Leakage indications in one step:

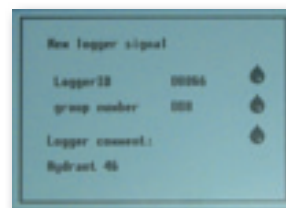
Switch the Commander on, click once, and you know whether there is a leak, or not.



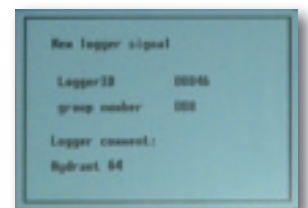
Start screen



Select "Patrol"

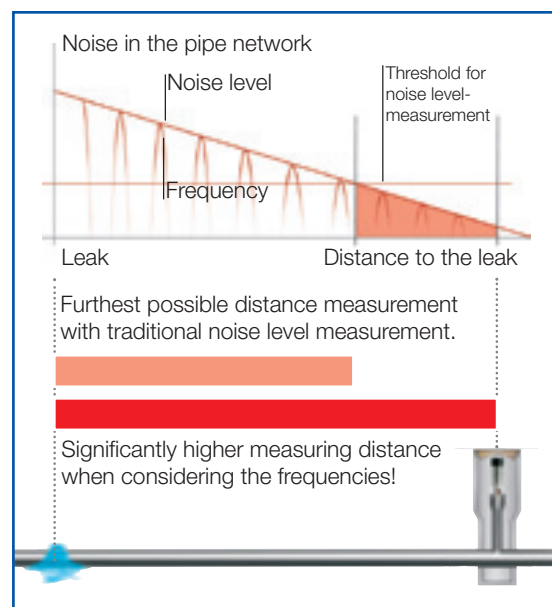


Status showing leak



Status showing no leak

Now you can "hear" better like this:



We are happy to provide you with information!

Your advantages with intelligent technology:

The Seba-Logger

- ▶ Bi-directional radio
- ▶ Easy and efficient operation
- ▶ Automatic setting of the clock
- ▶ Switch on / off by simply turning it upside down
- ▶ Very compact design

The Commander

- ▶ Programming via radio link
- ▶ Read-out via radio link
- ▶ Very easy to operate
- ▶ Reports leaks on the spot
- ▶ Large, clear display

Reading Out

- ▶ ESA-Analysis for better pre-location
- ▶ Professional PC software (included)
- ▶ Individual, digital map of the pipe network
- ▶ Status of the network at a glance
- ▶ Documentation and storing of the received data

A comprehensive set of accessories rounds up the Sebalog NP system.



* Reader

** Notebook is not part of the standard product range

**For more information, see:
www.sebakmt.com**

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Our range of products: Equipment and systems to locate faults in power and communications networks, as well as for leak location on pipe networks · line location equipment · CCTV inspection · seminars · service · contracting.

Technical data subject to change without notice.

ISO 9001:2008