Flow and **pressure logger** with **GPRS**

seba KMT
A member of Megger Group

Sebalog Dx

- ● Network monitoring using GSM/GPRS

- ● Wireless communication

- ● Automatic data and alarm transmission

- ● 5 years of autonomous logging

- ● Pressure surge detection

- ● Remote configuration and access via GSM/GPRS

seba KMT
A member of Megger Group

Sebalog Dx – universal data logging

Convenient and safe

Using a **Sebalog Dx** data logger allows you to always remain informed about exactly what is going on in your supply network. You can record pressure and flow on up to 4 channels simultaneously, and send the data conveniently and reliably as daily updates to the control centre by GPRS.

Compact and reliable

Thanks to its small size and robust housing, the **Sebalog Dx** can be used even under the most adverse conditions.

The internal battery, which can supply the logger with power for 5 years under standard conditions, and its extremely large memory for over 1 million measurements give you all the freedom you need for your specific application.

Sebalog Dx data logger connected to a flow meter

View your data...

The **Sebalog Dx** supports online measurements for all measuring channels. This enables you to gain an overview of what is currently happening in the pipe.

The logger records continuously during the online measurements, providing a complete and uninterrupted data set.

...from wherever you are

For special applications **Sebalog Dx** can be configured to perform online measurements via GPRS. You will receive the data no matter where you are.
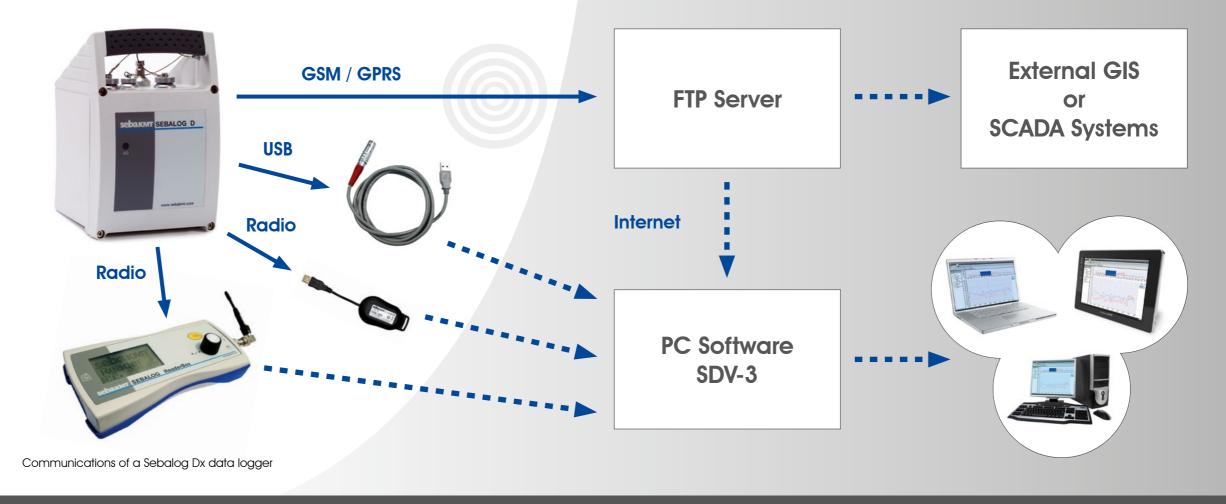

Pressure Alarm: 1.67 bar

Be informed

In the event of an alarm, the data logger automatically sends text messages and e-mails to predetermined targets.

Furthermore, it transmits to the control centre all measurement data recorded up to the time the alarm was triggered. You are immediately informed of what happened.

GSM / GPRS

USB

Radio

Radio

FTP Server

Internet

PC Software SDV-3

External GIS or SCADA Systems

Communications of a Sebalog Dx data logger

Wireless operation

Even when GSM is not used, the data logger transmits all data wirelessly. An integrated radio modem allows communication even through closed manhole covers. Securing shafts or traffic areas for inspections is no longer necessary.

Reader 3 at an online measurement with Sebalog Dx

Note your pressure

Sebalog Dx is able to detect pressure surges with sampling intervals of 1s or 0.1s. You can set the thresholds for the transient pressure yourself at the desired level. The continuous logging is not interrupted in this special detection mode.

Data set of multiple days showing flow and pressure

Remotely programmable

Almost all configuration of the **Sebalog Dx** settings can be re-programmed remotely. The logger receives the new configuration automatically during communication with GSM, making it unnecessary (to spend time and resources) to re-program the logger on site.

In the event of an alarm a trigger causes the logger to temporarily transmit online data via GSM, allowing you to see what happened following the alarm event.

ⓘ Sebalog Dx

Technical data

Input channels	
Digital	0…5 V (max. 4 channels), frequency/pulse
Analogue	0... 20 mA (max. 2 channels)
Relay inputs	2
Relay outputs	2
Sensors	
Internal pressure sensors	Optional: 0...16 bar (25, 35, others on request)
External pressure sensors	Optional: 0...16 bar (25, 35, others on request)
Logger	
Recording interval	1 s...24 h
Pressure surge detection	0.1 s or 1s, transient value freely programmable
Memory	4 MB block or roll memory
Alarm configuration	Can be programmed for each channel
Alarm messages	Test messages, e-mail
Logger hardware	
Dimensions	115x115x180 mm
Weight	0.8 kg
Power supply	Internal Li battery, < 5 years (standard configuration)
Temperature range	-10 °C ... +50 °C
Protection class	IP68
Communication	Radio, GSM/GPRS, USB

Scope of delivery

- » Sebalog Dx data logger
- » VK 77 USB cable
- » VK 86 Sensor connection cable
- » VK 76 connection cable for external inputs
- » Assembled pressure hose (up to 35 bar)[1]
- » GSM antenna[2]
- » PC software
- » User manual

Optional accessories

- » Sebalog Reader 3 - Portable wireless readout device with display, can also be used as a PC wireless interface
- » Rechargeable battery (external) for GSM/GPRS online measurements and high data transfer intervals
- » Sebalog RI – USB radio interface
- » VK 75 sensor connection lead with flying leads

Note: the illustrated smart phone is not included in the kit!

[1] **If logger model is equipped with internal pressure sensor**
[2] **If logger model is equipped with GSM module**

For more informations please visit
www.sebakmt.com/dx

Get more on your smart phone

Simply scan our QR code.