



## Sebalog D

### Wireless data logger

#### Advantages:

- ▶ **Wireless read out and programming**
- ▶ **Analog and digital inputs**
- ▶ **Expandable memory up to 1 Gigabyte**
- ▶ **5 year battery life**



#### Description

The new Sebalog D is a data logger specially designed for the needs of water suppliers. The logger is battery powered which lasts for 5 years even with integrated GSM/GPRS module. The Sebalog D is available in several configurations with internal sensors and various input channels

##### Wireless programming and read out:

Yesterday was the time to connect each logger with a cable to programme or to read data. In combination with the PC radio interface USB-E-box one can simply programme several loggers one by one via radio. The read out process works the same if you use the Sebalog ReaderBox. Simply go near by the logger (radio range up to 20 m and more) and collect all data stored in the internal memory of the logger. Transfer the data later to your PC and do your analysis.

##### Recording:

How ever your recording interval should be: you simply programme the loggers for your special needs. From 1 sec. up to 31 days an interval can be chosen. The huge internal memory of the logger saves data up to 28 years and if this is not enough one can simply upgrade the memory with standard SD/MMC cards.

##### Sensors:

The Sebalog D is available with integrated pressure sensors or simply as a "regular" data logger. All 0-5 V or 0-20 mA, pulse or frequency sensors can be attached and the data can be logged. The accuracy is certainly  $\pm 0.1\%$ .

##### Telemetry data logger:

As a special version the Sebalog D comes with an integrated quad-band GSM/GPRS modem to transmit data over a long distance. Data are provided via FTP to easily integrate the data into existing telemetry systems.

##### Alarming:

Each channel has individual alarm thresholds. Once this threshold is reached the logger sends a SMS, email and message to the telemetry system.

#### Advantages at a glance

- ▶ Wireless read out and programming
- ▶ Fast USB interface
- ▶ Big memory for long logging cycles (upgradeable by customers)
- ▶ Integrated pressure sensor (optional)
- ▶ External display to operate logger (ReaderBox) (optional)
- ▶ Logging not interrupted while read out process

#### Technical Data

Communication	
Wireless	868 MHz, 915 MHz
GSM/GPRS modem	Optional (850/900/1800/1900 MHz)
Cable connection	USB
Logging channels	
Max. 4 analogue (programmable analogue, digital)	0 ... 5 V (standard) 0 ... 20 mA (optional) Reed, frequency
2 switching inputs	
2 switching outputs	
Sensors	
Integrated pressure sensor	Optional: 0 ... 16 bar (25, 40, others on request)
External pressure sensor	Optional: 0 ... 16 bar (25, 40, others on request)
Accuracy of sensors	$\pm 0.1\%$
Logging	
Interval	1 s ... 31 days (programmable)
Memory	2 MByte (expandable), block or roll memory
Alarm configuration	Individually programmable for each channel
Alarm message	SMS, email
Storage capacity	7 years @ 15 min. interval
Logger hardware	
Housing	115 x 115 x 180 mm
Weight	0.8 kg
Power supply	Internal Li-battery, 5 years life time (under def. circumstances)
Operation temperature	-10 °C ... +50 °C
Protection class	IP 68

Several other configurations on request

#### Options

- ▶ Radio interface for PC: USB E-Box
- ▶ Wireless data reader: ReaderBox
- ▶ Additional sensor connection cable
- ▶ Software SebaDataView
- ▶ Internal GSM/GPRS modem
- ▶ Integrated pressure sensor
- ▶ External pressure sensor
- ▶ SD memory card (up to 1 GB)
- ▶ Additional battery for GSM/GPRS communication