



SEBA
HYDROMETRIE

Data Loggers VisLog/Unilog

Storage of Analogue and Digital Measuring Values



Special Features

- customer friendly installation and operation
- Network compatibility
- Possibility of event driven data acquisition
- Analogue and digital input connection for any sensor type
- Huge data storage capacity and high data security
- VisLog => now with integrated touch-/graphic display

Multi-Channel Data Logger



Unilog



VisLog
with graphic display



Environmental Data



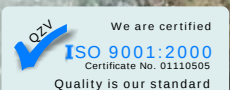
Flood Monitoring



Surface Water



Meteorological
Station



Description

The data loggers **Unilog** and **VisLog** are new product developments from SEBA Hydrometrie which can digitally record the water level or any other parameter, such as water quality or rainfall. The implementation of a state-of-the-art serial flash memory enables a relatively high data capacity, combined with high data security. The new logger systems also stand out by a lower power consumption and reduced dimensions of the electronic circuit board. The most important features are as follows:

- Event-controlled / time-controlled registration
- Individual control of the connected sensors
- Alarm Management
- Universally usable in connection with data transmission systems (landline GSM/GPRS, satellite, radio, W-LAN etc.)

The basis of the logger is a stand alone "Central Processor Unit (CPU)". In total eight analogue and two impulse inputs can be connected via terminals to the logger. In addition, a variety of options is available: modem module, USB, bluetooth interface or LAN.

The CPU board controls a CPU bus in order to combine several digital sensors to one single-master unit / multi-slave. This makes it possible to strictly separate the management system of the data logger from that of the alarm. A special RTC-IC (real time clock) constantly secures the time and watchdog function independently from the micro controller.

VisLog

Our new **VisLog** allows you to operate the entire data logger with all its individual configurations comfortably via the integrated touchscreen. Additionally, the graphs of the stored measuring values can be indicated on the graphic display in order to guarantee an optimum at site control without the use of any additional external devices like for example a laptop or PDA. Readout of the data is either done by using a standard USB-stick or with a PDA/laptop.

Technical Data UniLog

Electronics:

- power supply: external 5.5...20V
- back up battery internal 3.6V lithium AA/2Ah
- charging rate in power-down mode: 7.5mA (75mA with LAN-module)
- Flash-Controller M16C 16-Bit with integrated watch-dog
- clock IC
- serial flash memory with 8 MB (approx. 70.000 measuring values)
- AD-Converter 16-Bit
- Logical channels: up to 32 channels possible

Handling and display:

- display (3 lines, each 16 characters, 3.65mm)
- keyboard with 3 keys

Interfaces:

- RS232, RS485, USB
- LAN (optional)

Inputs:

- RS485 sensor interface (SHWP)
- SDI12 sensor interface (Option)
- Up/down counter, phase counter, impulse (rain)
- 2 contact inputs (surveillance/logging)
- 8 Analogue (bi-/unipolar) for standard signals, potentially isolated extendable for up to max. 32 analogue inputs (option)

Outputs:

- RS485-Sensor-interface (SHWP)
- Binary, BCD, Gray (Option)

All connections with push in clamps up to 1.5mm²



Technical Data VisLog

Electronics:

base: Unilog

Handling and display:

complete handling and configuration of the data logger via touchscreen and display of the data files on a graphic display
- additionally 3 keys

Interfaces:

- RS232, RS485, USB
- LAN (optional)

In-/Outputs:

- SDI12 interface (option)
- up/down counter input, phase counter, impulse (rain)
- 2 contact inputs (surveillance, logging)
- 8 analogue bi-/unipolar for standard signals, potentially isolated extendable up to max. 32 analogue inputs (optional)

Outputs:

- RS485 sensor interface (SHWP)
- binary, BCD, Gray (Option)

All connections with push in clamps up to 1.5mm²



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The right is reserved to change or amend the foregoing technical specification without prior notice.

represented by: