



## UnilogLight - Data Logger

Your easy way for reliable and cost-effective storage of analogue and digital signals

- Compact construction, robust and weatherproof housing
- Huge 16 MB ring memory for 1.120.000 values
- High data security due to integrated watchdog
- Analogue and digital inputs for easy connection of various sensor types (e.g. rain, pressure, radar ...)
- Individually programmable (cycle mode, event mode, quicklog mode, mean-value)
- Extendable with GSM/GPRS modem
- Easy, user guided programming with operation software SEBAConfig



# Description

Compact, robust, flexible - the new **UnilogLight** is a versatile service-wonder within the SEBA Universal Logger family. As an economic and all-purpose data logging system, the **Unilog-Light** is suitable for a large scope of applications in the field of hydrology and meteorology.

It is also a very reliable instrument for extreme field conditions. The digital recording of water levels and other parameters, like flow, water quality and precipitation is done by a modern serial flash memory.

The serial flash memory provides a high data capacity with absolute data security and very low energy consumption. The power supply is done either external or by the use of the internal 9 V battery.

Both analogue and digital sensors deliver data via RS 485 or SDI-12 interfaces. For the use at site there are three function keys. Information like date, time, measuring value, amount of stored data and battery capacity are available at the push of a button.

## Overview UnilogLight types

<b>UnilogLight R:</b>	for rain stations (e.g. RG 50, RG 100, TRW etc.)
<b>UnilogLight SDI12:</b>	for connection of various SDI-12 sensors (one or many)
<b>UnilogLight SHWP:</b>	with digital RS 485 input for connection of SEBA sensors with SHWP interface (e.g. DS(T)-22, MPS)
<b>UnilogLight Analog:</b>	for connection of various analogue sensors (max. 2)
<b>UnilogLight ENC:</b>	with integrated shaft encoder (detachable)

All types can be extended up to 32 input channels via external MET-controller. An input for rain is also possible in all types. Additional optional features: encoder input, analogue input, sampler output

## Technical Data

<b>Controller:</b>	32 Bit Flash controller with integrated WatchDog RTC-IC Real Time Clock	
<b>Memory capacity:</b>	16 MB (= 1,120,000 readings)	
<b>Save interval:</b>	2 min - 99 hours	
<b>Channels:</b>	Max. 32 logical channels	
<b>Measurement routines:</b>	Single value, Average value, Event clock, Delta mode	
<b>Communications Interface:</b>	RS 232 (Standard)	
<b>Operation:</b>	Interface cable (USB, RS 232) BlueCon (Bluetooth®)	
<b>Inputs:</b>	UnilogLight-R: 1 x pulse (rain) UnilogLight-ENC: Encoder input (angle encoders) UnilogLight Analog *): 2 x analog standard signals (0/4-20 mA, 0-1 V, 0-5 V), 1 x RS 485 (SHWP) UnilogLight SHWP *): 1 x RS 485 (SHWP) for digital SEBA sensors UnilogLight SDI-12 *): 1 x SDI-12 * Additional analog/digital inputs are available with RS 232 interface, allowing external modem (optional)	
<b>Housing:</b>	<b>Material:</b>	Aluminium
	<b>Dimensions:</b>	143 x 85 x 38 mm (L x W x H)
	<b>Display:</b>	3-line LCD display
	<b>Keyboard:</b>	3 multifunction buttons
	<b>Protection class:</b>	IP 65
<b>Power supply:</b>	<b>Fastening:</b>	Retaining clip
	UnilogLight-R/ENC: 9 V block battery 6LR61 alkaline manganese (standard), 9 V block battery 6AM6 Lithium (option) UnilogLight Analog /SHWP /SDI-12: 12 VDC, external	
<b>Operating temperature:</b>	-40 °C ... +70 °C	



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

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