

## MDS-5 Light Data Logger

for storage of analogue or digital measuring values





Connection to Radar Sensor



Gauging House



Application in surface water



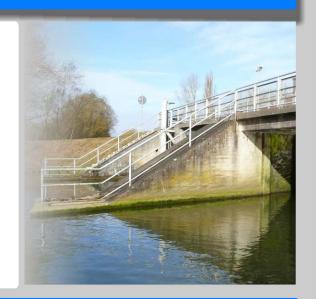
## Description

The SEBA Data Logger MDS-5 Light is an all-purpose data registration system for various applications in the field of hydrology.

Due to the integrated display, the registered information like date, time, measuring value, amount of measured values and battery capacity are readable directly at site by the push of a button.

A maximum of 2 analogue sensors (e.g. pressure-, radar- or temperature sensor) or digital sensors via RS485/ SHWP (e.g. pressure sensors or multiparameter-probes with max. 8 parameters) can be connected.

The robust and very compact MDS-5 Light has been designed for rough field applications and provides reliable data even under harsh conditions.



## **Technical Data**



Power Supply:	3,6V internal lithium battery
	resp. 6-24V external battery
Interfaces:	1x RS232 (opt. additionally 1x RS485)
	Transmission protocoll MDS or DDP

Memory:	1 MB serial flashmemory
	(480.000 measuring values)

Display:	LC-Display (8 characters)
Keyboard:	1x membrane key
Power Consumption:	20 μA (sleep mode)
Realtime Clock:	RTC
Accuracy:	+/- 1 min per month at 25°C
Total of logical channels:	12
Measuring intervall:	5 sec. up to 45 days
Storage intervall:	5 sec. up to 45 days
A/D Converter	16 hit

Inputs:	physical:	2 x analogue
		(0-1V, 0-5V, 0/4-20mA)
	or	1 x analogue & 1 x impulse (rain)
	or	1 x RS485 (SHWP)

Add-on Inputs:	via A/D Converter with max.
	8 analogue inputs and
	serial RS485 output

Dimensions:	125 x 60 x 35 mm
Weight:	250 gr.
Protection class (Housing):	IP 65
Material (Housing):	Aluminium

Operation Temperature:	-30° +70°C
Max. Humidity:	0 - 95 %

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



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