



MDS-5 Light Data Logger

for storage of analogue or digital measuring values



SEBA measuring site, Germany

Key Features:

- Analogue or digital inputs for connection of different sensors (e.g. radar, ultrasonic, pressure sensor etc.)
- Easy installation and handling
- High data capacity and security
- Compact, rugged and weather-proof

Data Logger



MDS-5 Light



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 protocol MDS or DDP
Memory:	1 MB serial flashmemory (480.000 measuring values)
Display:	LC-Display (8 characters)
Keyboard:	1x membrane key
Power Consumption:	20 μ A (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 bit
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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