



SEBA
HYDROMETRIE

SEBA Data Logger Surffloat 2

Water Level in Rivers and Channels

Special Features:

- Data logger with integrated encoder for measurement and storage of water level fluctuations with integrated LC-display
- Adaption to all conventional measuring gauges possible or "Stand-alone" instrument for desk mounting
- Serial interface RS232
- Internal power supply with battery as buffer in case of power failure

Data Logger



Surfloat 2



Environmental monitoring



Water spring



Measurement in rivers



Staff gauges

 We are certified
ISO 9001:2000
Certificate No. 01110505
Quality is our standard

SEBA Data Logger Surffloat 2

System Description

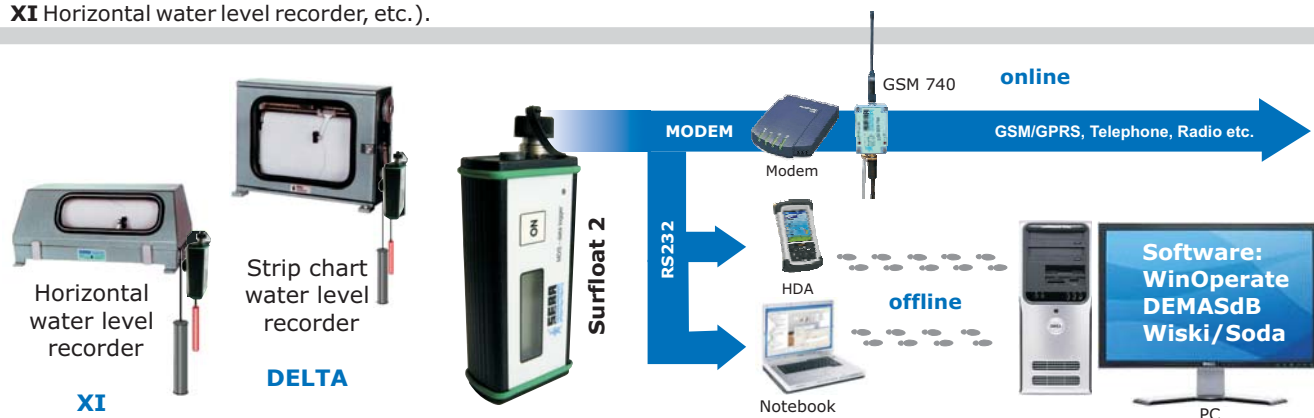
The SEBA **Surfloat-2** is a data logger with integrated rugged, float-driven encoder for measurement and storage of water level fluctuations.

As a "stand-alone" instrument, the Surffloat-2 can be operated with float & counter weight and also with the reliable float cable which is free of slip and slide effects.

Furthermore, the **Surfloat-2** is perfectly suitable for adaptation to all conventional float operated water level recorders (e.g. SEBA strip-chart water level recorder **Delta**, **XI** Horizontal water level recorder, etc.).

The **Surfloat-2** is now standardly equipped with an LC-display and an RS232 interface.

Thanks to the LC display, it allows customer friendly handling: if the LC display is activated and if the float-wheel is turned simultaneously, the desired measuring value can be adjusted by the customer. The instrument can be operated by an external and internal power supply. In case of an external power supply, the built-in lithium cell serves as a back up system and emergency supply.



Technical Data

Surfloat-2



Power Supply:	3,6V internal lithium battery resp. 6-24V external battery
Interfaces:	1x RS232 (opt. additionally 1x RS485) transmission protocol MDS
Memory:	1 MB serial flash memory (480.000 measuring values)
Display:	LC-Display (8 characters)
Keyboard:	1x membrane key
Power Consumption:	20 µA (sleep mode)
Realtime Clock:	RTC (+/- 1 min per month at 25°C)
Channels :	1
Measuring interval:	5 sec. up to 45 days
Storage interval:	5 sec. up to 45 days

Encoder:	with ball chain or float-cable 0,8mm diam.
Resolution:	high resolution in mm
Accuracy:	<1 cm

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 technical specification without prior notice



SEBA Hydrometrie GmbH

Gewerbestr. 61a • D-87600 Kaufbeuren • Germany
Tel.: +49 (0)8341 / 9648-0
Fax: +49 (0)8341 / 9648-48
E-Mail: info@seba.de
Internet: www.seba.de

represented by: