



Shaft Encoder Surffloat-Sensor 2

Water Level in Rivers and Channels

Special Features:

- robust, reliable and maintenance free encoder with integrated LC-display
- for adaption to all conventional measuring gauges or as "Stand-alone" instrument for desk mounting
- with serial interface RS232 & RS485 or parallel output (BCD, Gray-Code, Binary-Code) or current respectively voltage output
- internal power supply with battery as buffer in case of power failure

absolute
shaft encoder



Surfloat-Sensor 2



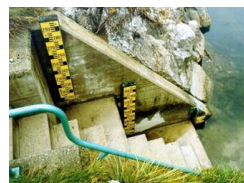
software



water spring



measuring site



staff gauges

SEBA-Encoder Surffloat Sensor 2

System Description

The SEBA Surffloat-Sensor 2 sensor is a rugged, float-driven encoder for recording the water level. As a "stand-alone" instrument, the Surffloat-Sensor 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 Surffloat-Sensor 2 is perfectly suitable for all conventional float operated water level recorders (e.g. SEBA Delta, XI Horizontal gauge, etc.).

The standard Surffloat-Sensor 2 is equipped with an LC-display and an RS232 & RS485 interface. Optionally a parallel or analogue interface (BCD, Gray code, Binary code) can be added to this system. 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

- Dimension Surffloat-Sensor 2:
40 mm x 55 mm x 160 mm (l x w x h)
- Measuring range: up to 15 m
- Accuracy ± 1 cm
- External Power Supply: 5 VDC...25 VDC
(with integrated Lithiumcell to buffering)
- Free of temperature influences, no drift
- Display: 3 lines, 16-digits
Display range: -9999.999 m...9999.999 m
(decimal point position configurable)
- Power consumption: approx. \emptyset 0.5 mA
- Serial Interface: RS232, RS485, protocol: SHWP
- Parallel output (optional):
Data output: for configurable connector
Data format: standard/inverted BCD-code, 4 digits
standard/inverted Gray-code, 16 bit
standard/inverted binary-code, 16 bit
- Output: 0-20 mA, 4-20 mA, 0-1 V, 0-5 V
- Operating temperature: -20°C...+70°C

adaptation to "XI-Pegel"



adaptation to "Delta"



Surffloat-Sensor 2 for desk mounting

serial interface:
RS232/RS485, SHWP-protocol

parallel interface:
Gray-Code
BCD-Code
Binary-Code

current output:
0-20mA, 4-20mA
0-1V, 0-5V



Data Logger



Voice messenger



Data Logger/
remote transmission
other manufacturer



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