



## LevelSense Encoder

for rivers, channels and groundwater applications

- Reliable and robust shaft encoder
- Outputs: RS 485, SHWP, SDI-12, 0/4...20 mA, 0-1 V, 0-5 V
- Integrated LC-Display (option)
- Cost effective modernisation of existing water level monitoring stations
- Internal battery supply for buffer in case of power failure
- Continuous registration of water level fluctuations in ground- and surface waters
- With integrated data logger (option)
- Including mounting bracket for easy installation





## Description

The SEBA LevelSense is a system for acquisition of water level deviations in ground- and surface waters. Through its easy handling and the convincing cost-performance ratio it is outstandingly useful for economic updating of existing measuring sites. When it is used as a stand-alone instrument, it works totally slip-free with the approved ball-chain and floater/counterweight system.

As type UnilogLight-ENC<sup>®</sup>, the shaft encoder is also available as a cost effective complete systems with integrated data logger.

**The handling is simple:** All adjustments inside the LevelSense can be done with a notebook or operation terminal (e.g. HDA). For type LevelSense with display, the desired measuring

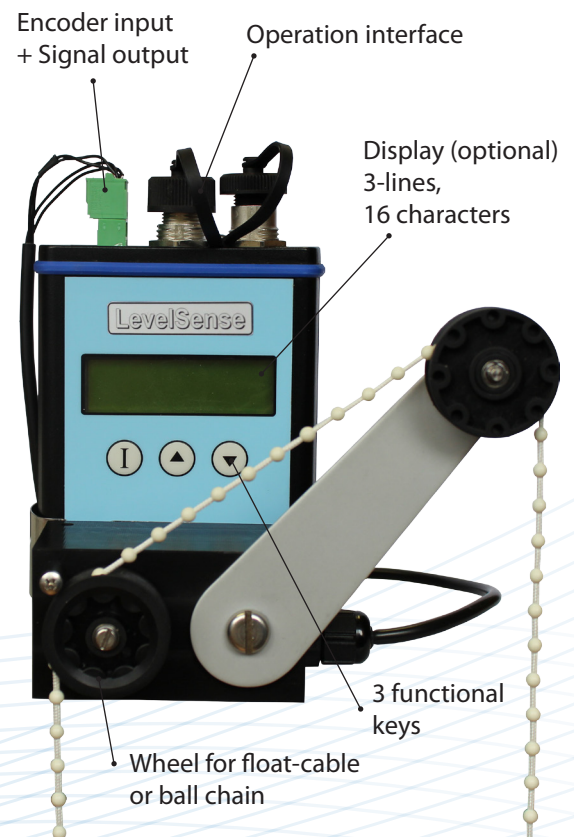
value can be set by the level observer by turning of the floater wheel. The instrument can either be powered externally or internally. With external power supply, a built-in 9 V monobloc battery is used as a buffer and provides additional safety in case of a power breakdown.

**The system is available in different versions:**

- 1) shaft encoder (= LevelSense)
- 2) shaft encoder & display (= LevelSense)
- 3) shaft encoder & display & logger (= UnilogLight-ENC)

## Technical Data

<b>Encoder:</b>	with ball chain or 0,8 mm float cable
<b>Measuring range:</b>	up to 30 m with ball chain up to 100 m with float cable
<b>Resolution:</b>	0.0025 m
<b>Accuracy:</b>	0.0025 m (depending of float size)
<b>Power supply</b>	9 V block battery 6LR61 alkaline manganese
<b>Internal:</b>	9 V block battery 6AM6 Lithium (option)
<b>External:</b>	10..16 VDC (typ. 12 VDC)
<b>Flash-Controller:</b>	3 R2C 32 Bit with integrated Watchdog
<b>D/A Converter:</b>	14 Bit
<b>Inputs:</b>	up/down-counter, phase-counter, impuls (rain) 2 contact inputs (control, recording)
<b>Outputs:</b>	1 analog output for norm signals analog U/I, SDI-12, Modbus, RS 485
<b>Keys:</b>	3 functional keys
<b>Display:</b>	3-lines each 16 characters, 3.65 mm
<b>Interfaces:</b>	RS 232 (operation interface)
<b>Operation Cond.:</b>	-40 °C ... 70 °C / 0-100% RH
<b>Housing Material:</b>	Aluminium
<b>Protection Class:</b>	IP 65
<b>Weight:</b>	approx. 0.25 kg
<b>Dimensions:</b>	143 x 85 x 38 mm (LxWxH)



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

### Contact:

SEBA Hydrometrie GmbH & Co. KG • Gewerbestraße 61 A • 87600 Kaufbeuren • Germany  
Telefon: +49 (0) 8341 96 48 - 0 • E-Mail: info@seba.de • Web: www.seba.de