



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 aquisition 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 float/counerweight system.

As type UnilogLight-ENC⁹, 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

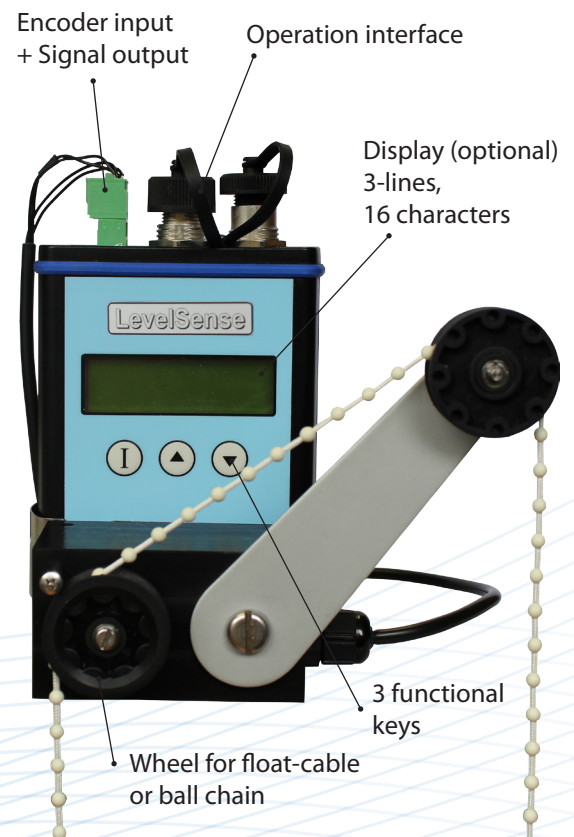
value can be set by the level observer by turning of the float/counerweight wheel. The instrument can either be powered externally or internally. With external power supply, a built-in 9 V monobloc battery is used as a buffer and provides additional safety in case of a power breakdown.

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

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



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

Contact:

Virtual Hydromet | vhydromet@yahoo.com | +91-9412072697