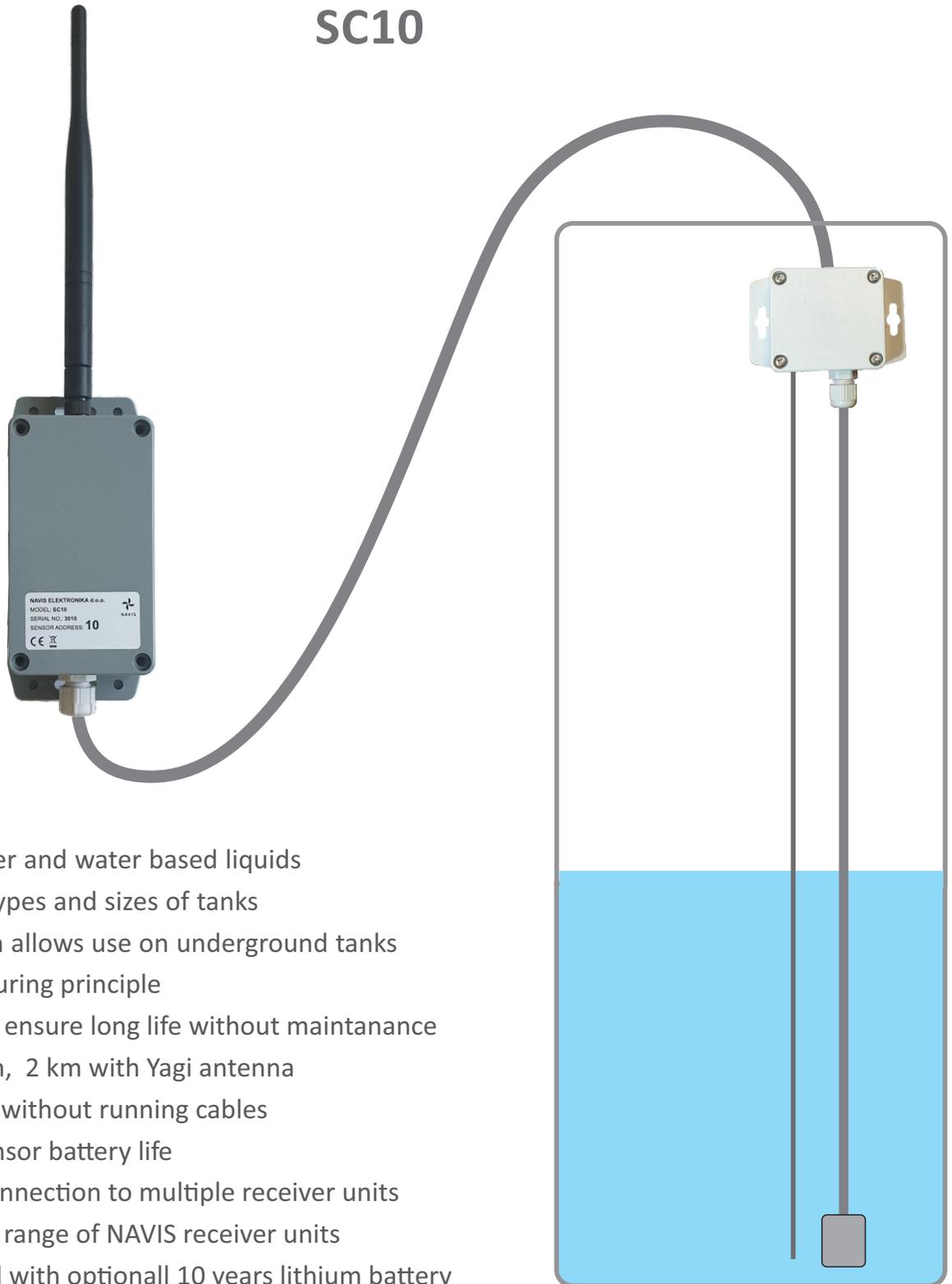




NAVIS

LONG RANGE WIRELESS TANK LEVEL SENSOR

SC10



FEATURES

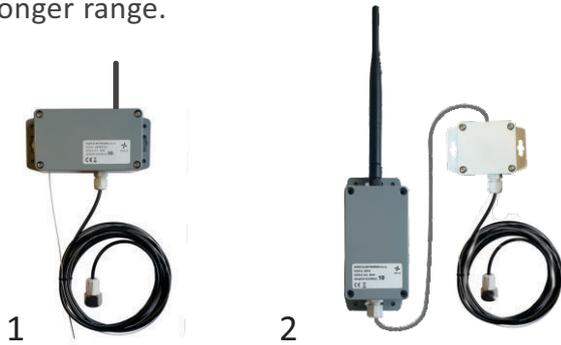
- suitable for water and water based liquids
- suitable for all types and sizes of tanks
- two-part version allows use on underground tanks
- capacitive measuring principle
- no moving parts ensure long life without maintenance
- range up to 1 km, 2 km with Yagi antenna
- easy installation without running cables
- up to 4 years sensor battery life
- simultaneous connection to multiple receiver units
- compatible with range of NAVIS receiver units
- battery powered with optional 10 years lithium battery



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INSTALLATION

The sensor is mounted on top of the tank so that the measuring cable hangs freely to the bottom of the tank. Sensor can be installed onto shaft wall or tank cap. The design with a separate transmitter allows use in underground tanks - sensor is installed inside the underground tank, while the transmitter is installed above ground for longer range.



OPERATION

The sensor uses capacitive measuring principle with measuring wire and inox braid which hangs from the top to the bottom of the tank. It has no moving parts, which ensures reliable operation throughout its lifetime. Sensor continuously measures level and transmitter sends data to display unit vis wireless link. Each sensor has its own unique address which ensures there is no interference between multiple sensors.

MODELS

- 1 SC10 (integrated transmitter)
- 2 SC10/R (separated transmitter)

TECHNICAL DATA

Reservoir height:	0,5...4 m (with measuring cable on request, up to 10 m)
Level measuring principle:	RF capacitive
Data transmitting interval:	every 5 seconds
Measuring resolution:	0,1%
Accuracy:	+/- 3%
Operating Frequency:	868 MHZ
Output power:	+14 dB (25 mW)
Antenna connection:	50 Ohm, SMA connector (SC10/R only)
Range:	up to 1 km (2 km with Yagi antenna), depends also on receiver
Power supply:	battery 2 x 1,5V AA Mignon (not included)
Battery lifetime:	3 years (version with 10 years Lithium battery available)
Measuring cable:	4 m (up to 10 m on request)
Sensor-transmitter cable:	5 m (up to 25 m on request)
Housing, sensor (SC10/R):	58 x 64 x 35 mm, IP67, ABS
Housing, transmitter:	115 x 65 x 41 mm, IP65, ABS

COMPATIBLE NAVIS DISPLAYS/RECEIVERS:



LW3/D



LW5/D



LW410/D



LW410/D



LW110 4-20/REC