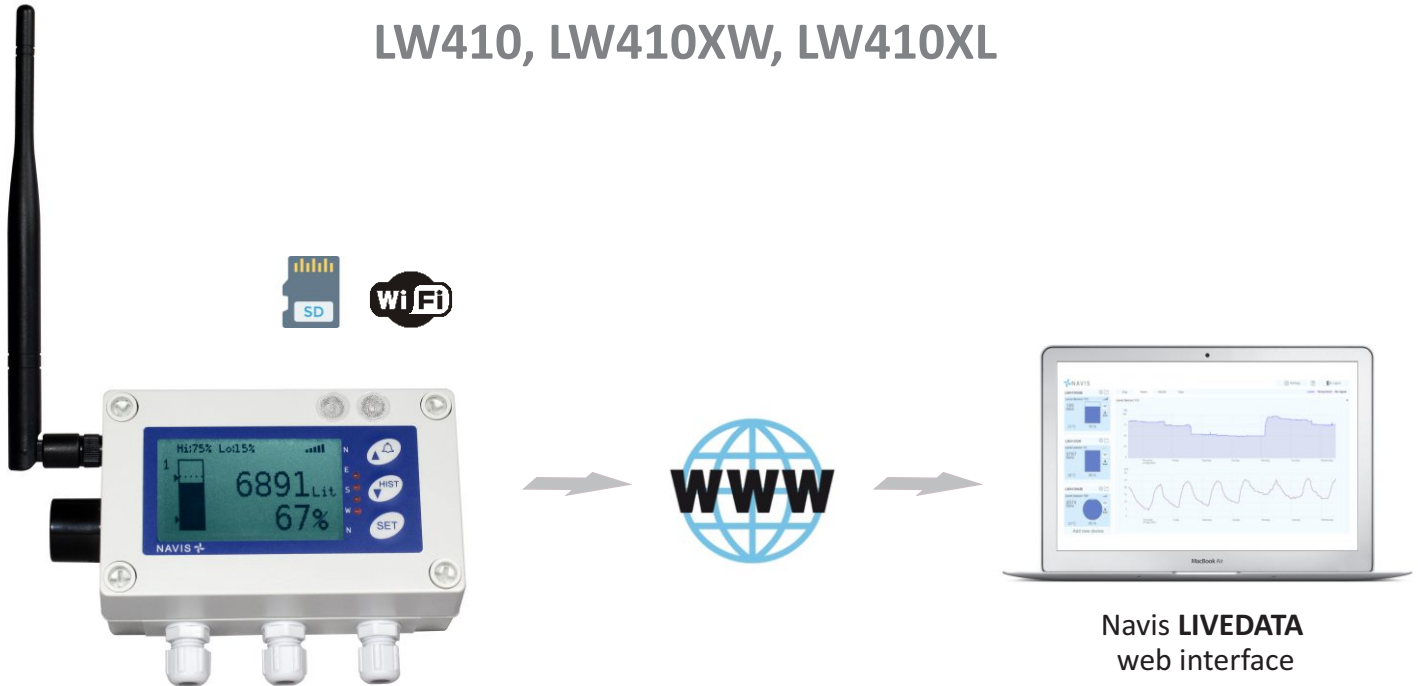


LONG RANGE WIRELESS TANK LEVEL MONITOR WITH ALARMS AND LOGGING

LW410, LW410XW, LW410XL



Navis LIVEDATA web interface

FEATURES

- display level data from up to 4 tanks
- built-in audible alarm
- 4 programmable alarm relay outputs
- 2 x 4-20 mA outputs *
- up to 1000 m range (up to 2 km with Yagi antenna)
- programmable tank shape
- Wi-Fi output for sending data to Navis LIVEDATA web interface *
- store level history to SD card with real-time stamp *
- optional repeater/range extender enables obstacle avoiding
- range of capacitive, ultrasonic and hydrostatic pressure long range wireless level sensors

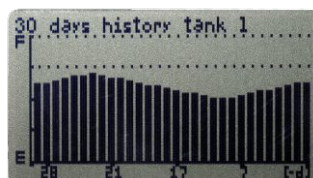
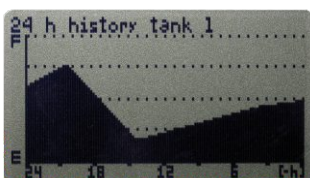
FUNCTIONS

- display liquid volume in liters and %
- daily and monthly level history graphs
- Hi and Lo level optical and sound alarm
- logging of wind data to SD card *
- battery backed real-time clock *

APPLICATIONS

- liquid level monitoring and controlling
- rain water level monitoring
- groundwater level monitoring and logging
- industrial applications

HISTORY DISPLAYS



* depends on the model



NAVIS

COMPATIBLE SENSORS



SC10 - CAPACITIVE
LEVEL SENSOR



SC10/R - CAPACITIVE
LEVEL SENSOR



SU11 - 6/4" ULTRASONIC
LEVEL SENSOR



SU12 - 2" ULTRASONIC
LEVEL SENSOR

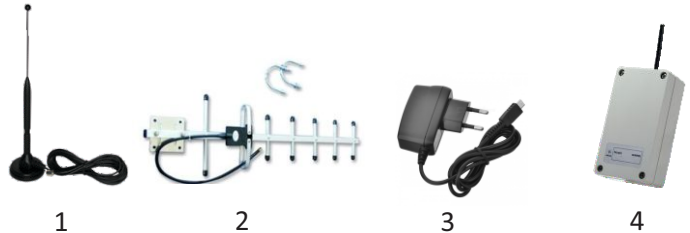
ORDERING

Display unit:

- LW410/D (display unit, 4 x relay output)
- LW410XW/D (display unit, 4 x relay output, 2 x 4-20mA output, WiFi)
- LW410XL/D (display unit, 4 x relay output, 2 x 4-20mA output, WiFi, logging to SD)

OPTIONAL ACCESSORIES

- 1 Antenna with 3 m cable, magnetic mounting
- 2 YAGI antenna
- 3 External power adapter
- 4 Repeater



Access to Navis Level LIVEDATA web interface:

- FREE BASIC ACCESS
- PAYABLE ADVANCED ACCESS





NAVIS

TECHNICAL DATA

Display of tanks:	up to 4 tanks
Volume units:	LIT, %, m3, gallons
Alarms:	Hi, Lo - red light + sound signal
Data refresh period:	5 s
Max resolution:	0,1 %
Temperature operating range:	-10 ... +50 °C
Communication frequency :	868 MHZ
Antenna input:	50 Ohm, SMA connector
Range:	up to 1000 m* visible distance up to 2 km* (with optional Yagi antenna)
Operating voltage:	12 - 24 V DC
Power consumption:	max. 500 mA
Outputs:	4 x relay, contact rating 2 A/24 V, programmable ON and OFF delays
Sound signal (integrated buzzer):	93 dB/30 cm
Dimensions:	150 x 80 x 55 mm
Weight:	260 g

*depends also on sensor type and mounting position

ADDITIONAL FOR LW410XW/D and LW410XL/D

Wi-Fi data transmission rate:	every 1 minute
Wi-Fi transmission frequency:	2,4 GHz
Wi-Fi range:	up to 20 meters. It can vary with type of Wi-Fi router
Analog signal outputs:	2 x 4...20 mA (not isolated, common ground with supply) 4 mA = 0 % 20 mA = 100%

ADDITIONAL FOR LW410XL/D

Logging:	liquid level, with battery backed up real time stamp
Logging interval:	12 min
Data recording:	min. 12 months, .csv or .txt data format
Memory card:	micro SD (enclosed)



FUNCTION TABLE - LW410 DISPLAYS

TYPE	FUNCTIONS				POWER SUPPLY		OUTPUTS		ALARMS			CONNECTIVITY	COMPATIBLE SENSORS		
	Current level	History graphs	Logging to SD card	Storing to cloud (prescription needed)	External, 12 - 24 V DC	Battery	4 Relay outputs	4-20 mA output	Integrated sound alarm	Integrated alarm lights (orange + red)	Alarm outputs (relays)	WiFi to Navis livedata cloud	CAPACITIVE	ULTRASONIC	HYDROSTATIC PRESURE
LW410/D	√	√			√		√		√	√	√		√	√	√
LW410XW/D	√	√		√	√		√	√	√	√	√	√	√	√	√
LW410XL/D	√	√	√	√	√		√	√	√	√	√	√	√	√	√