



NAVIS

WIRELESS TANK MONITOR

LEVELWATCH 201



- ▶ **WIRELESS LEVEL MONITOR FOR PLASTIC AND METAL TANKS**
- ▶ **EASY AND QUICK INSTALLATION WITHOUT RUNNING WIRES**
- ▶ **SELF ADHESIVE SENSOR FOR PLASTIC TANK IS PLACED OUTSIDE OF THE TANK**
- ▶ **DISPLAY LEVEL IN 10 STEPS**
- ▶ **MONITOR CAN BE PLACED ANYWHERE**
- ▶ **RANGE OF SENSORS FOR PLASTIC AND METAL TANKS**
- ▶ **BATTERY OPERATED SENSOR AND MONITOR**
- ▶ **5 YEARS BATTERY LIFE**

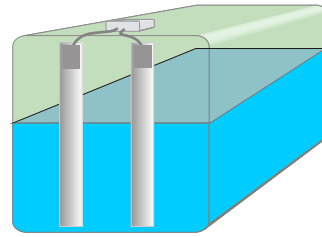
LEVELWATCH 201 is wireless monitor for measuring level in tanks on boat or campers. System consists of wireless sensor and receiver/monitor which continuously show the level. Both units are battery operated. Extremely low power consumption allows the battery life up to 5 years. Optionally, a life time Lithium battery is available. There are three different types of sensors available:

- capacitive foil sensor for fresh water plastic tanks,
- capacitive rod sensor for fresh or gray water metal tanks and
- ultrasonic sensor for all types of tanks.

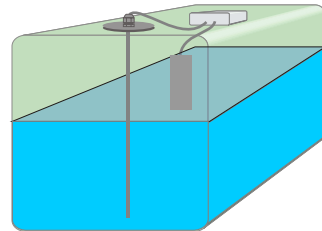
Sensors have no moving parts so the operation is reliable and maintenance free. Foil sensor is placed from outside of the tank and measure the level through the tank wall. Drilling of tank is not necessary.

MOUNTING

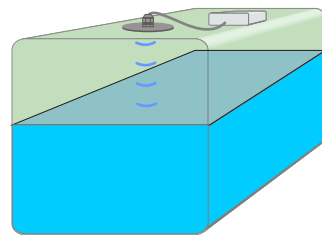
Foil sensor (for plastic tanks only) Type F
Self adhesive foil strips are cut to suitable lengths and applied from outside of the tank. The self adhesive sensor module is placed between or above strips. Two self adhesive electrodes are applied on the strips.



Rod sensor (for metal tanks only) Type R
For mounting, only one 7 mm hole must be drilled on top of the tank. Electrode is cut to suitable length and adhered into a hole. Another electrode, self adhesive foil, is applied to the tank. The self adhesive sensor module is placed near by.



Ultrasonic sensor (for all tanks) Type U
Sensor has low profile SAE 5 hole mounting pattern or optional 3/4" adapter. Minimum opening for ultrasonic beam is 27 mm. It is important to place the sensor as horizontally as possible.



Monitor

It can be placed anywhere on the boat or RV since it is battery operated. Mounting is done with mounting tape on the back side of the monitor.

OPERATION

Sensor measures level in tank every minute and sends data to receiver that shows level by 10 LED diodes. You can choose between two operation modes:

- manual, when level is presented only when button pressed,

- continuous, when level is continuously displayed and refreshed every hour. In this mode relevant LED blinks every 5 seconds.

Every sensor has his own communication address so the disturbances between sensors are not possible.

TECHNICAL DATA

Data refresh rate:	1 hour (continuous mode)+instant refresh by pressing button on monitor
Resolution:	10 % (10 LED diodes)
Accuracy:	foil sensor 5 %, ultrasonic sensor 1 cm
Battery - sensor, monitor:	2 x 1,5V AA Mignon (option-life time Lithium battery)
Battery life	up to 5 years
Dimension sensor module:	90 x 60 x 21 mm
Dimension monitor:	90 x 60 x 21 mm
Length of rod sensor:	50 cm (other length available upon request)
Max. range of ultrasonic sensor:	60 cm (other ranges available upon request)
Angle of ultrasonic beam:	+/- 6°

MODELS LW 201/F - monitor + foil sensor
LW 201/R - monitor + rod sensor
LW 201/U - monitor + ultrasonic sensor

OPTION: Life time Lithium battery, custom specified tank adapter

WARRANTY: 12 months