NAVIS

WATER LEVEL METER

Model: LW C1

MANUAL

QUICK MANUAL

To operate, you need:

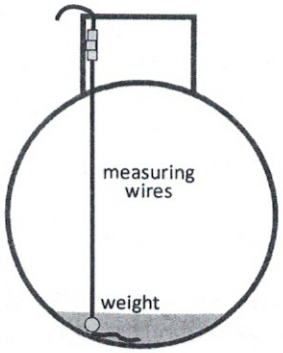
- install the measuring cable in the tank, and place the weight so that it hangs just above the bottom of the tank
- connect the connecting cable in the meter
- pull out the insulation sheet on the battery.
- on the display unit, use the keys to set the lower and upper level and the shape of the tank

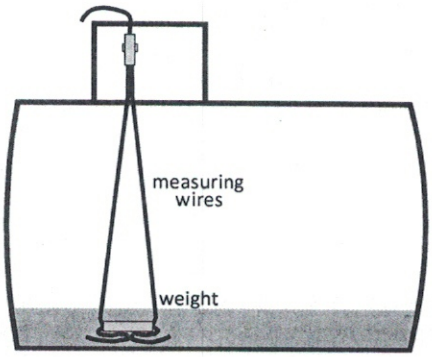
INSTALLATION

1. Attach the plastic tube, where the measuring cable begins, on the top of the tank. Use the supplied bracket. If more appropriate, the measuring cable can be hung on a connecting cable that runs through the cover.

2. **Split both cores** of the measuring cable at least to the highest water level

3. Place the weight on the cable at a suitable distance so that it hangs horizontally, few centimeters above the bottom.
Route each core of the cable from the other end through the weight and secure the core to the weight with a tie so that the weight cannot slide down the cable. The excess of the measuring cables can lie at the bottom of the tank. You can tie them with a cable tie.





4. Install the meter in the selected location. Mount it with screws or with mounting tape.

5. Route the connecting cable to the meter. Insert it through the gland and connect the cores to the appropriate terminals.

6. Pull out the insulation sheet on the battery. The meter will turn on.

7. **Settings:** use two keys to set the upper and lower level and, if necessary, the shape of the tank:

Full setting: when the tank is full (measuring wires immersed to full level), press the upper key (Hi) for at least 2 seconds. The current level will be saved as a full level (99).
You can also temporarily set the level full by immersing the twisted wires to the desired length. Repeat the procedure when tank is full.

Emty setting: when the water level is approx. 5 -10 centimeters above the weight, press the lower key (Lo) for at least 2 seconds. The current level will be saved as a empty level (00). All excessive cable on the end should be imersed during LO setting.
Setting the shape of the tank: hold down both keys, the signs S.1 ... S.2 ... S.3, will appear on LCD - release the key at a selected shape.

S.1 = rectangular tank (no shape linearization)
S.2 = horizontal cylindrical tank
S.3 = upright tank of classic shape (rounded above and below)
Rectangular shape is preset (S1)

The settings remain in the permanent memory until they are changed again. Changing the battery will not reset the settings.

8. Carefully close the meter cover. Watch out for the wires. Tighten the cable gland.

9. Signs on LCD :
- Lb = low battery
- Er = improper setting of min and max or damaged measuring cable

TECHNICAL DATA

Measuring medium:	suitable for water based liquids
Operating principle:	Capacitive
Measuring interval:	every 20 seconds, average of three measurements is displayed
Display unit:	percent
Display resolution:	1%
Accuracy:	+/- 3%
Measuring cable length:	3 m (up to 10 m on request)
Connecting cable length:	10 m (up to 50 m on request)
Battery (replaceable):	Lithium CR2032 (included)
Battery life:	up to 3 years
Meter housing:	ABS, 58 x 64 x 35 mm, IP65

LIMITED WARRANTY
This product is guaranteed for one year after date of purchase. During limited warranty period any defective product will be repair or replace with comparable product without charges. The limited warranty does not cover battery and damages of any kind including physical caused accidentally or from misuse. Manufacturer's responsibility is limited to repair or replace the product. Any liability for direct or indirect damage caused by product failure is excluded. The claimed product will be repaired or replaced only when returned to the store where it was purchased together with original invoice.

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