

## **USER MANUAL WLMX / OLMX Series:**

### **Congratulations!**

You are now holding a genuine Elwatek product **WLMX / OLMX** model.

**WLMX** is mainly used for groundwater and, if equipped with adjustable sensitivity, also suitable for seawater (**SW** models).

**OLMX** is for both water and non conductive liquids like oil.

These instruments are high-tech measuring devices for measuring water- or oil levels in boreholes, wells, tanks etc.

Manufactured in Denmark EU, made of only high quality materials. Very user friendly and suitable for long-term use by any type of engineer, entrepreneur, geological worker or other.

### **Before use:**

Unpack the device and check for any visual exterior damage before using the device.

All our devices are "ready-to-use", directly from the box.

Please be advised to remove all wrapping from cable, drum and probe. Cut plastic strip (where applied) securing the probe to the drum/reel.

Device is now ready to use (if additional power switch is applied, push to **ON** position).

### **Use of the level meter:**

When ready to perform measurements, follow these simple steps:

- 1) Release the brake, on the back of drum, now keep the cable from unrolling by holding the handle, placed on front of the drum.
- 2) When brake is released, you can lower the probe by using the handle.
- 3) Whenever the probe gets submerged in the liquid, the electrode/switch immediately activates both sound- and light indication.
- 4) Now roll back the cable, until indication stops (**OLMX** models, best results are measured if cable is slightly shaken during retraction).
- 5) Slowly lower the probe until it indicates again.
- 6) You have now reached the exact level, ready to be visually read on the metric ruler tape. Please make sure to use the same reference point every time measurements are performed. The edge of well or borehole are common reference points.
- 7) When measuring is done, firmly roll back all cable while paying attention to it. Caution is taken to insure deposits like, dirt, mud etc. is not too severe on the cable. Cloth or similar can be used if necessary.



- 8) Reattach the probe on reel and apply brake (turn to **OFF** position, if switch is applied).

### **After use/before storage:**

Inspect probe, cable and drum for mud or other visible pollution. If none is present, the device can be stored without further measures.

It is advised to keep it away from sunlight, freezing- and wet environments when stored.

### **Maintenance:**

All materials on this device are durable and resistant to most environments exposed to. However, we recommend continuously to wipe of any dirt etc. Probe can get clogged and the cable tend to be hard to read when heavily exposed to dirt, mud and ochre. Probe is easily cleaned by separating the lower part from the upper part. Unscrew by turning anti-clockwise. If parts are seized, be careful not to damage electrode when using tools to loosen. Rinse parts with pure tap water or mixed with mild soap, no detergents needed. Check if O-ring on upper part is intact before reassembly. No lubrication is needed anywhere on this device.

**Float-switch probe:** make sure floating device is correctly fitted (magnetic dot facing upwards) and moves freely after reassembly.

#### **Battery change:**

The electronic circuit has very low power consumption and if no additional switch is applied, it automatically shuts off when not used. Battery only needs attention when no sound or light is present during test/use.

For battery replacement, simply place the cable drum on a flat surface, backside facing down. Carefully loosen all 3 blank screws (4 black screws on WLMX 400-500). Gently lift the cover and flip it upside down to access battery. Unscrew the clamp (where applied) holding the battery, replace battery and screw all screws back in place.

**Battery used: 9V type 6LR61.**

When proper caution and care is taken, your level meter will serve you for many years.....

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ELWATEK

Steffen Højfeldt