

DigoLevel S200L

Digital Level Indicator for 200 lt. Drums



Operating temperature: -10 – 45 °C

Storage temperature: -15 – 50 °C

AAA Alkaline Batteries (not rechargeable)

Directives 2004/108/CE (EMC) EN 61326:2013



OPERATOR'S MANUAL

Before using the DigoLevel S200L device read carefully this user's manual.

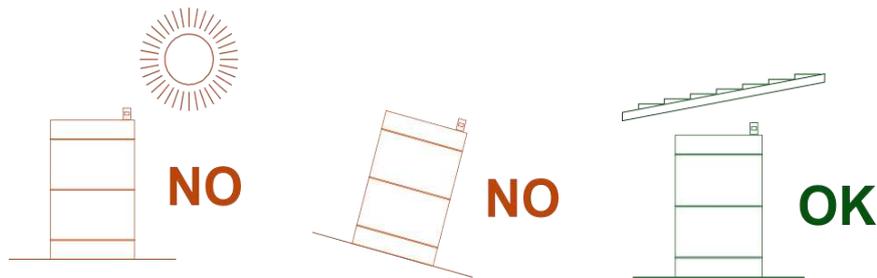
DESCRIPTION

DigoLevel S200L is an electronic device, using ultrasounds it can calculate the distance from a liquid or solid and through an algorithm transform it into volume. With the calibration set by the producer, **DigoLevel S200L** is able to measure the level of liquid contained in a partially opened drum with standard size 200/210 litres. Thanks to its practical shape and its "easy read" quality, **DigoLevel S200L** can be easily installed on most drums in the market.

WARNINGS

In order to use the device properly read carefully the following information:

- Do not use the device on drums containing flammable liquids or releasing explosive gas;
- Do not put the device into direct contact with the contents of the drum;
- Do not use the device on drums placed on a slopping or area;
- Do not immerse the device into liquids or spill liquids on it;
- Do not move the drum when the device is installed;
- Do not expose the device to direct sunlight (the measurement will be compromised);



ENVIRONMENTAL CONDITIONS

To obtain a correct measurement follow the following indications:

- Avoid exposing the device **DigOLevel S200L** to direct sunlight or to temperature higher than 45°C;
- Avoid using the device **DigOLevel S200L** in moist locations and with temperatures lower than -10°C.

In unfavourable locations, the device could give wrong measurement.

DEVICE CLEANING

To clean the device **externally**, use a moist fabric with neutral cleaner.

To clean the device **internally**, turn off the device, remove the cover and take the batteries out, remove the circuit board of **DigOLevel S200L** from its casing and immerse it for a set of ten minutes in the CLEANER (specific product to clean board circuits). Take the board circuit out of the cleaner, wait until it is dry and then reassemble the device. To avoid an irreversible damage, do not use aggressive solvents or cleaners, do not use brushes or abrasive tools, do not dry with the aid of hot airflow or compressed air, do not reassemble the device if it is still wet and do not invert the polarity of the batteries.

REPLACEMENT OF THE BATTERIES

Unscrew the 4 screws in the back of the device, remove the cover and the old batteries, insert the new ones (pay attention to respect the polarity), replace the cover and screw the 4 screws.

Use only AAA Alkaline non-rechargeable batteries.

INSTALLATION

Follow the following instructions:

- Remove the 3/4" drum cap from the barrel [1];
- Screw the device **DigOLevel S200L** till the end on the threaded hole by 3/4" [2];
- Remark : this connection is not air-tight and will have the possibility to breathe the drum



COMPONENTS



MODES OF OPERATION

STARTING / SWITCHING OFF

Press the button over the display for more than 3 seconds, the writing "On" appears in case of starting the device, the writing "Off" appears in case of switching off.

AUTOMATIC MEASUREMENT

Once the unit is on, **DigOLevel S200L** will make level measurement every 20 minutes, without showing anything in the display. When the flashing writing “ALL. 20 L.” appears, a first level alarm is detected, this informs the operator that the level of fluid available in the drum is between 20 and 10 lt. At the occurrence of this alarm, the device continues to show the alarm status until the button on/off is rapidly pressed, thereafter at every press of the button a single measurement will be displayed.

When the flashing writing “ALL. 10 L.” appears, a second stock alarm is detected, this informs the operator that the level of product available inside the barrel is between **10 and 0 l.** At the occurrence of this second alarm, the device continues to signal the alarm until it is switched off and/or the empty drum is exchanged with a full one.

INSTANTANEOUS MEASUREMENT

When pressing quickly the button on/off, if the writing “FULL” appears it indicates that inside the drum there is more than **145 l.**, if the level of the drum contents is between **145 and 20 l.** the effective level will be indicated to the operator. In case the level is under **20 l.** the different content alarm level will be indicated.

DISCHARGED BATTERIES

When the batteries of the device are discharged, the device detects an alarm. It is displayed with 4 points flashing every 5 seconds. In this status the **DigOLevel S200L** does not provide measurements, switch the device off and change the batteries.

DISPOSAL

At the end of the life cycle of the device to protect the environment dispose the device according to the local applicable law. When the device is no more usable or repairable, proceed with the



differentiated disposal of the components. The electrical equipment cannot be disposed as urban waste, it is necessary to respect the separate collection procedure introduced by the directive on the disposal of electrical wastes (Legislative Decree n. 151 of 25/07/2005 for the implementation of the directives 2002/95/CE, 2002/96/CE and 2003/108/CE, regarding the reduction of usage of dangerous substances in the electric and electronic devices along with the disposal of wastes).

The crossed dustbin symbol means that the device was put in the market after the 13/08/2005 and is subjected to separate collection. The disposal of electrical wastes that does not respect the applicable law is subjected to penalties

This equipment can be resented to Lubretec bvba only in case of purchase of a new one of the same type. Lubretec bvba will provide correct disposal of the device according to the local applicable laws.

WARRANTY

The warranty lasts 1 year starting from the delivery date. It covers material or manufacturing defects and is limited to the substitution or repair of the damaged parts without the possibility to claim for benefit, interest or damages.

Lubretec bvba assumes no responsibility in case of incorrect installation or non-compliance to these instructions.