

SOUNDING DEVICE

OPERATING INSTRUCTIONS

Safety instructions



Do not use the sounding device in a potentially explosive environment. The instrument is not ATEX certified.



Take care to avoid contamination of groundwater when using the sounding device. To be certain clean the instrument before using.



Do not buckle the measuring tape. There is a danger of damaging the instrument.

Preparing for operation

There is no special work to do before putting the instrument into operation. The batteries are already inside the instrument and a complete check-up of the sounding device was done before shipping. If the instrument is to be put into storage for a long time, Eijkelkamp recommends removing the batteries to avoid the risk of damage due to leaking batteries; even with high quality batteries. The instrument itself will switch on for use and switch off after operation automatically.

How to take a measurement

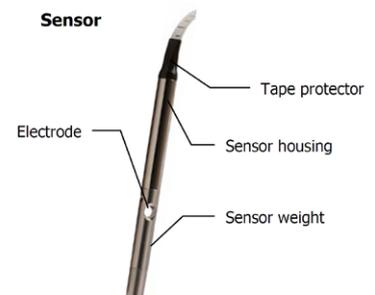
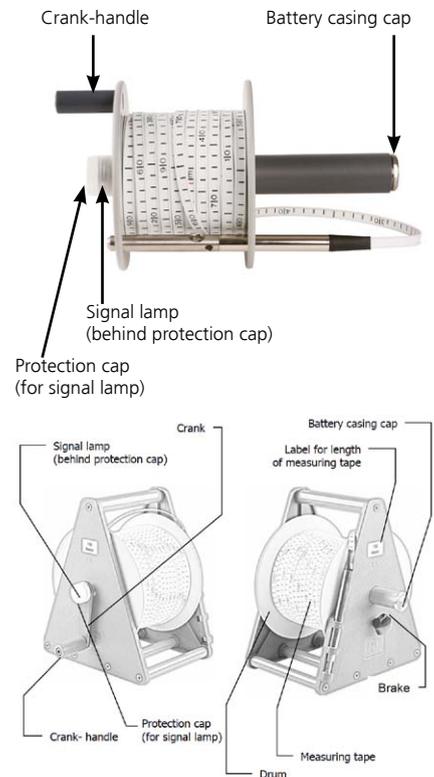
To measure the water level let the sensor down in the borehole by winding the measuring tape with the crank-handle. When the sensor touches the water level the signal lamp of the front side of the sounding device turns on and a beeper sounds simultaneously. By dipping several times to the water level, the exact measurement can be obtained. After exact dipping, the water level can be read directly from the measuring tape. The scale is the metric system and marked in meters (red), decimetres and centimetres (black). After the measurement the tape with the sensor can be easily rolled up from the groundwater pipe.

Cleaning after use

After using the sounding device cleaning, depending on the contamination, is recommended by Eijkelkamp.

Cleaning of the sensor:

- After measurements in contaminated or saline water a complete cleaning of the sensor is recommended to guarantee further correct function.
- Screw of the probe weight.
- Clean the sensor with soap or any other decontamination liquid, depending on the contamination level. To facilitate the cleaning process a hard brush (non-metallic) can be helpful.
- For hard contamination or limy sediments, the electrode can be cleaned by an emery paper.
- For using the instrument in fresh / drinking water, clean the complete sensor with distilled water.
- After finishing the cleaning, the probe weight can be screwed on.



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P.O. Box 4, 6987 ZG Giesbeek,
the Netherlands

T +31 313 88 02 00
F +31 313 88 02 99

E info@eijkelkamp.com
I www.eijkelkamp.com



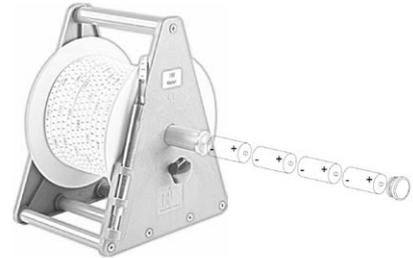
Cleaning of the tape, drum and frame:

Soap is recommended for cleaning the tape. Depending on the dirt level a brush can be helpful. If you are using the tape in fresh / drinking water after an operation in contaminated or salt water, additional cleaning with distilled water is recommended. The drum of the instrument is protected against spray water IP64. Don't submerge the instrument in water for the cleaning process.



Changing the bulb

Remove protective light cover (fits tight). Eventually use a screwdriver to lift the cap carefully. Screw the bulb out and screw in a new bulb. Replace the protective cover.



Changing the batteries

In case of low batteries, the signal lamp is not as bright as usual and the volume of the acoustic signal is reduced. Usually you will notice a low battery during longer measurement campaigns or after a longer storage period. Eijkelkamp recommends checking up the batteries before you are going to take the instrument for longer use to the field.

Procedure for battery-replacement

- Unscrew the battery casing cap.
- Remove the used batteries.
- Insert 4 new baby cell batteries 1.5 Volt (Size C).



Caution: The plus- pole of all batteries needs to have contact to the battery cover.

- Screw on the battery casing cap by simultaneous pressing and screwing.



**DO NOT dispose of batteries in normal waste!
For environmental protection and safety, deposit the batteries in battery-disposal boxes or battery-disposal terminals.
Alternatively give the old batteries to a waste disposal company.**

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