

KORROSTOP measurement device of the E.KO IONISER

This display device serves to visualize the quality of your water after it has been treated with the **E.KO IONISER** System. Every second several measurements are carried out, the average of the last few seconds is calculated and displayed (LEDs are blinking). The measurement device shows the function of the **KORROSTOP** (prevention of the aggressiveness of the deionised water) and the conductivity with 5 light-emitting diodes, 2*GREEN, 1*YELLOW, 2*RED.

In the case of a disturbance, several LEDs blink or light up at the same time. This can occur for example when the probe is heavily soiled. First GREEN and last RED LED blinks or lights up. If the battery voltage sinks too low, the device indicates through the blinking or lighting up of ALL or NONE of the LEDs that you need to change the battery.

Please use one-way alkaline batteries. So that a lifespan of more than one year is possible. Regularly check the batteries so that you can prevent a leakage. The device can also be used with an accumulator.

Exchange advice of the E.KO IONISER for 60 %

| Status | Green | Green | Yellow | Red | Red |
|--------------------|-------|-------|--------|-----|------|
| Condition | 100% | 80% | 60% | 40% | >20% |
| Conductivity Ok | ● | ● | | | |
| KORROSTOP Ok | ● | ● | ● | | |
| Conduct. < 3 µS/cm | | | | ● | ● |
| Battery empty | ● | | | | ● |
| Malfunction probe | ● | ● | ● | ● | ● |

KORROSTOP measurement

| | |
|----------------------|--|
| Electricity supply: | 2 x AA (Mignon) Cells at 1,5 V |
| Lifespan: | ca. 1 year with alkaline batteries |
| Indication: | BLINKS once per second while in operation , to help increase the lifetime of the battery |
| Protection category: | IP 54 |

Troubleshooting:

| | |
|--------------|--|
| Probe dirty: | Remove the connections (threads right and left) and carefully clean the probe with pure alcohol (ethyl alcohol). |
|--------------|--|

Handling:

During the run up cycle of the **E.KO IONISER**, there can be some temporary false measurements. Exclusively for water metering. Appliance is protected against spray water. Do not submerge in water or other liquids. Do not subject to hard knocks. Permissible operating temperature 5 – 50°C.



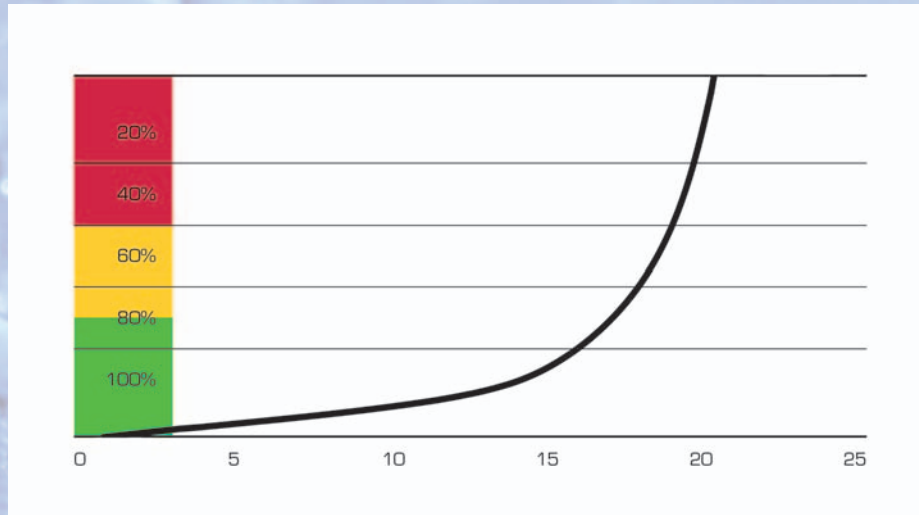
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IMPORTANT INDICATION

The KORROSTOP measurement device is only suitable for connection with the E.KO IONISER as visualisation of the KORROSTOP.

Use with other systems can lead to false measurements!

KORROSTOP behaviour



This diagram describes the swing-out behaviour of the **KORROSTOP** system of the **E.KO IONISER**.

On the X.-axis the condition as a percentage is presented (as on the measurement device) and on the Y-axis the working hours (full load) are indicated.

One can clearly recognise the trend of the logarithmic function from ca. 80% up to 20%. This means that the time between two indicator points on the measurement device is halved.

| | | |
|-------|--------------------|-----------------------------|
| ex. : | from 100 % to 80 % | approx. 10 hours |
| | from 80 % to 60 % | approx. 5 hours |
| | from 60% to 40 % | approx. 2,5 hoursetc. |

Whilst from 60% there is much more oxygen in the process water, and thereby the oxidation behaviour of the water increases, we advise you to exchange the **E.KO IONISER** by 60% for the critical applications (e.g. carbide).