

Conductivity Meter

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Conductivity meter will help you with measuring conduction in water, whether it is flowing water or pure water. It is necessary to measure in particular fields and the conductivity meter is the best feature for this kind of measuring.

Measuring of conductivity of water is based on the measuring of the dissolved and /or solid materials in water. You may measure dissolved salts in water or other matters.

For this kind of conductivity meters protection against water is necessary feature, for obvious reason. All the meters are waterproof and you can measure water conductivity without a fear to damage delicate electronic parts of high-quality device.



With conductivity meter it is easy to determine electrical Conductivity (EC), which is defined by the ability of a solution to conduct an electrical current. It is also possible to determine TDS (Total Dissolved Solids), which is defined as the amount of solids dissolved in a solution.

It is possible to use instruments for determining conductivity both in field and laboratories. It doesn't matter if you need to measure water in fish tank or the river, you will be able to do that with one or another model of the conductivity meter.

Some models of conductivity meters have the possibility to measure soil mineralization. It is important to know before using this land for growing something or for any other use of the soil, whether it is building something or digging a well. It can find its appliance in agriculture sector, in geodesics or construction.

With a conductivity meter you will also be able to determine (depending on the model) Redox level, oxygen level, PH values or temperature. Instrument for determining conductivity can have internal memory, SD card support, ability to connect to a PC and can have an optional software.



The main unit of measurement is S/cm ($\mu\text{S}/\text{cm}$, mS/cm) for conductivity, ppm for TDS, % for salt content and mg/l for Oxygen content. For highest accuracy of data received, conductivity meters may have temperature compensation, as temperature can have influence on the chemical properties of water.

Models of conductivity meters can vary due to functions and you may check them all to choose the model which will correspond to the task you will need it to perform.