



Add-on to your CPTU for test of Electric Conductivity

Electric Conductivity testing is also called “Electric Resistivity” testing (referring to the inverted unit). It provides insight into the type of penetrated soils, the salinity of the ground water and help trace contaminations.

The Geotech electric conductivity add-on sensor is to be used together with the 10 cm² CPT GEOTECH NOVA equipment. This unit has an array of four ring electrodes (Wenner configuration, with equal spacing between the electrodes). An electric alternating current is applied to the outer two electrodes and the potential is measured between the inner ones. The conductivity is calculated and immediately shown on the logging computer screen together with CPTU test results.

The electric conductivity gives information on the type of penetrated soils, helps tracing contaminations and gives information on the salinity of the ground water. It indicates the presence of quick clay by providing information on the degree of leaching in marine clays. When the salinity of the ground water and the mineral composition of the penetrated sand layers are known, the electric conductivity gives the relative porosity of the layers, i.e. of the relative density of penetrated sand layers.

Visit our web for more information: www.geotech.eu

| Specifications: | |
|-------------------|---|
| Sensor principle: | Wenner configuration, alternating current |
| Standard range: | 0–3700 mS/m |
| Dimensions: | 44 x 641 mm |
| Weight: | 4 kg |

The GEOTECH NOVA product family is being continuously developed and improved. We therefore reserve the right to changes of the information above.



Ingenjörfirman Geotech AB is a leading innovator and manufacturer of geotechnical field investigation equipment, providing the latest geotechnical solutions and applications for clients around the World.



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