

Turn-key solution
for seismic CPT:

GEO TECH SCPT-GS2

Accurate and user-friendly!

GEO  TECH



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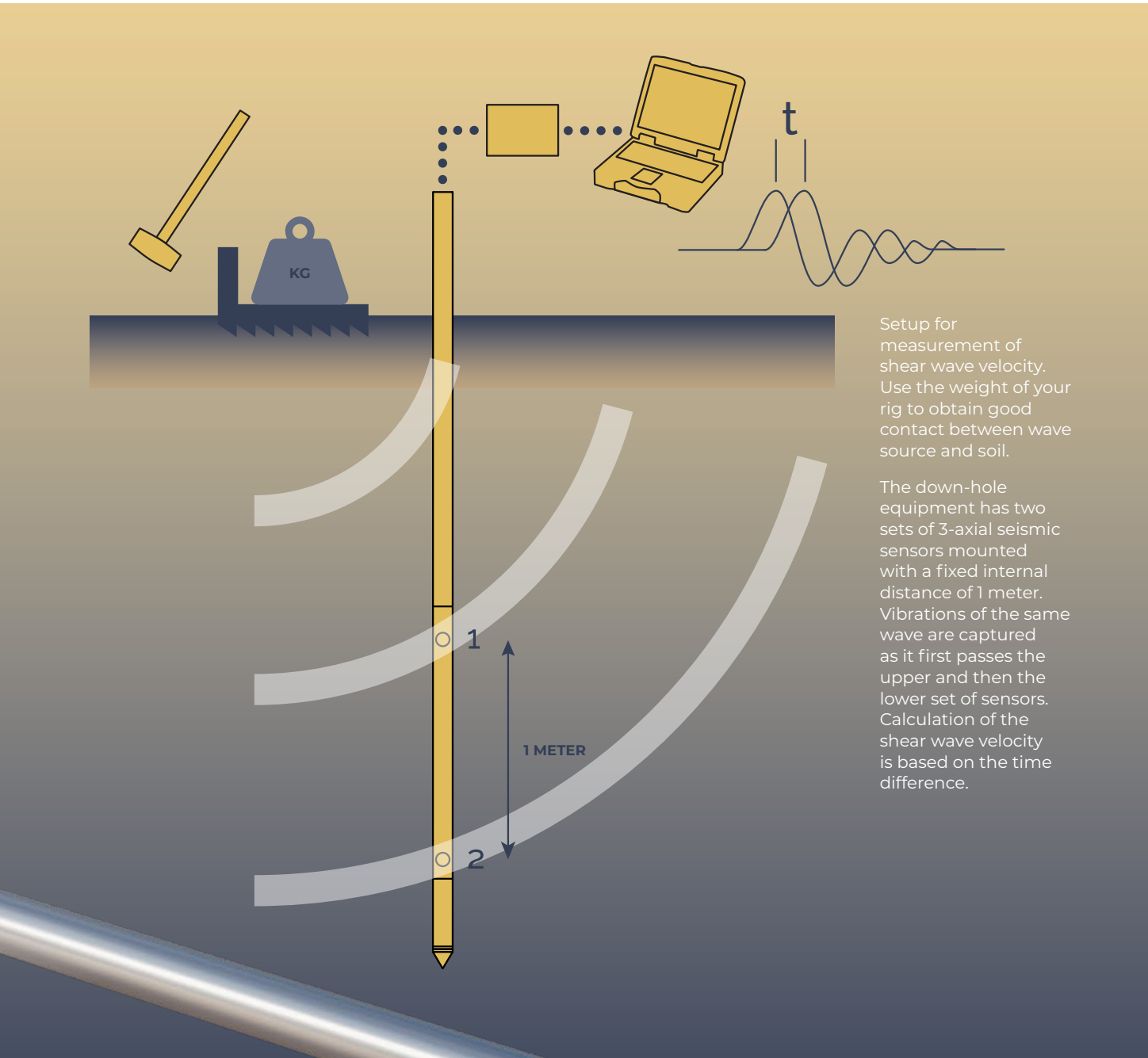
The SCPT method combines information about the shear wave velocity from the seismic test with CPTu test results and will give you a good basis for evaluation of several critical soil properties, e.g., the risk for liquefaction.

The GEOTECH SCPT-GS2 adapter is the perfect add-on tool for your CPT GEOTECH NOVA system. It is equipped with two sets of very sensitive 3-axial seismic sensors that are mounted with a fixed internal distance (normally 1 meter). The same wave is detected as it first passes the upper and then the lower set of sensors. Data processing takes place in the down-hole equipment and test results are transferred to the surface equipment on digital form, without being affected by noise, delays, or cable properties.

The well-defined distance between sensors together with down-hole conversion to digital contribute to high accuracy and good repeatability. Geotech's SCPT solution is easy to install on any CPT rig.

As result of extensive plans for new wind power plants and fast-train lines, demand for accurate SCPT investigations is expected to rise dramatically during the coming years.

Be prepared to take advantage of new business opportunities – ask us for a quote today!



Setup for measurement of shear wave velocity. Use the weight of your rig to obtain good contact between wave source and soil.

The down-hole equipment has two sets of 3-axial seismic sensors mounted with a fixed internal distance of 1 meter. Vibrations of the same wave are captured as it first passes the upper and then the lower set of sensors. Calculation of the shear wave velocity is based on the time difference.

Specifications, GEOTECH SCPT-GS2 adapter	
Sensors:	Two sets of 3-axial accelerometers (orthogonal)
Internal distance:	1 meter between sensor sets as standard
Data processing:	A/D conversion and pre-processing inside downhole equipment
Sampling frequency:	Programmable 900 – 7200 Hz
Dimensions:	36 mm x 1440 mm
Weight:	7,2 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.



SPECIALISTS IN GEOTECHNICAL FIELD EQUIPMENT

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