

Pore Pressure Dissipation Testing

Dissipation testing capability

Lankelma's piezocone (CPTU) has the capability to acquire pore pressure data versus time. At anytime during a CPT test, the push can be paused to record the pore pressure dissipation as it approaches static equilibrium. The data is viewed in real time on a log scale. Without any modifications to the system, these additional subsurface properties can be acquired:

- groundwater table
- compressibility
- permeability

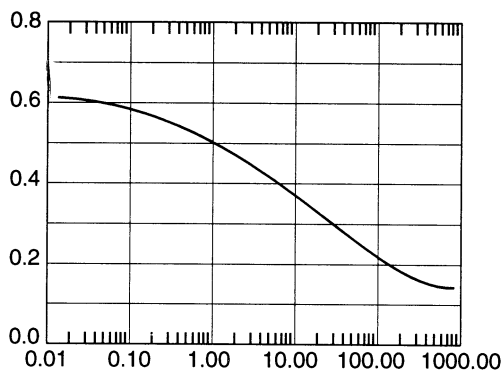
Advantages

The time required, from seconds to hours, is fully dependent on the soil. No setup time is required to initiate a test.

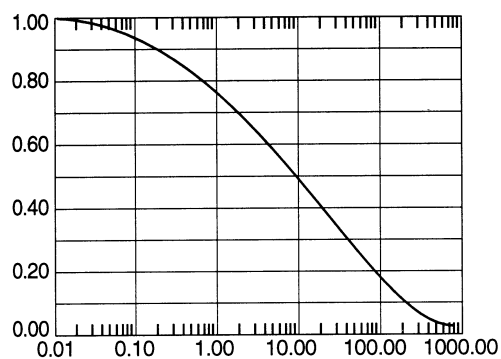
A dissipation test can be performed at any time during a CPTU test, allowing a real time decision regarding the depth(s) of the test(s).

Acquisition is viewed in real time on a log graph, offering the client immediate observations to locate sample depths.

All advantages of a typical CPTU test apply to dissipation tests, as no further modifications to the system are required.



Example of porewater pressure decay, plotted on log timescale



Example of normalised porewater pressure decay plotted on log timescale

Lankelma Ltd makes no representation, express or implied, with regard to the accuracy of this information and cannot accept any legal responsibility or liability for any errors or omissions that may have been made.