

In Situ Testing



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Introduction

The subject of In Situ Testing has been split into two courses; An Introduction to In Situ Testing and Advanced In Situ Testing. The courses will cover both the theory and the practice of various In Situ Testing techniques used on typical geotechnical projects. In addition the courses will consider the effect that Eurocodes will have on the UK's current practice.



INS001 An Introduction to In Situ testing

This course will look at the various methods used to obtain properties such as:

- ✓ soil density
- ✓ soil strength
- ✓ permeability testing
- ✓ packer testing

The course will consider tests such as CBR and plate bearing tests their practical application and what to expect from the results.

It will also include the use of hand held devices to assess soil strength such as pocket penetrometers and hand vanes.

The various methods of carrying out permeability testing will also be looked including falling and rising head, constant head and packer testing.

The course will be completed by looking at the interpretation of probing devices such as the Dynamic Probe, Mackintosh Probe, TRL Probe, and the Falling Weight Deflectometer.

The day will end with a look at the dynamic probe, the limitations and uses of the test and its interpretation. Several of the methods will be the subject of practical sessions throughout the day.

INS002 Advanced In Situ Testing

This full day will look at the various uses of static cone testing, practicalities and limitations of the test.

The afternoon will be spent looking at the various forms of Pressuremeter, how to use them, which type of test to use and where.

Who should attend ?

This series of courses is intended for practitioners, geologists and engineers. It will be of use to technicians and engineers alike.

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