

The use of an extensometer in civil science and solving existing problems with it

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Abstract

Extensometers are used to detect vertical movements in ground. Each measurement point consists of a magnetic ring with sprung legs (Known as a spider). The spiders are placed over a hollow access tube and inserted into a borehole. An extensometer is a device that is used to measure changes in the length of an object. It is useful for stress-strain measurements and tensile tests. For automated testing clip-on devices have been largely replaced by digital "sensor arm" extensometers. In this article, a brief description of the exponentials has been made and the use of each of them and its specifications have been collected.

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