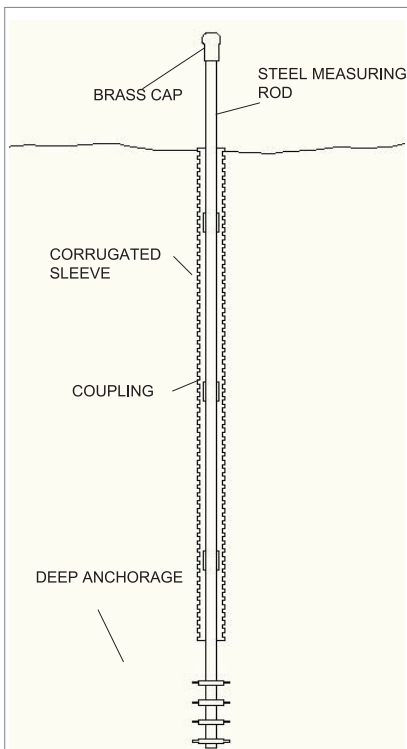
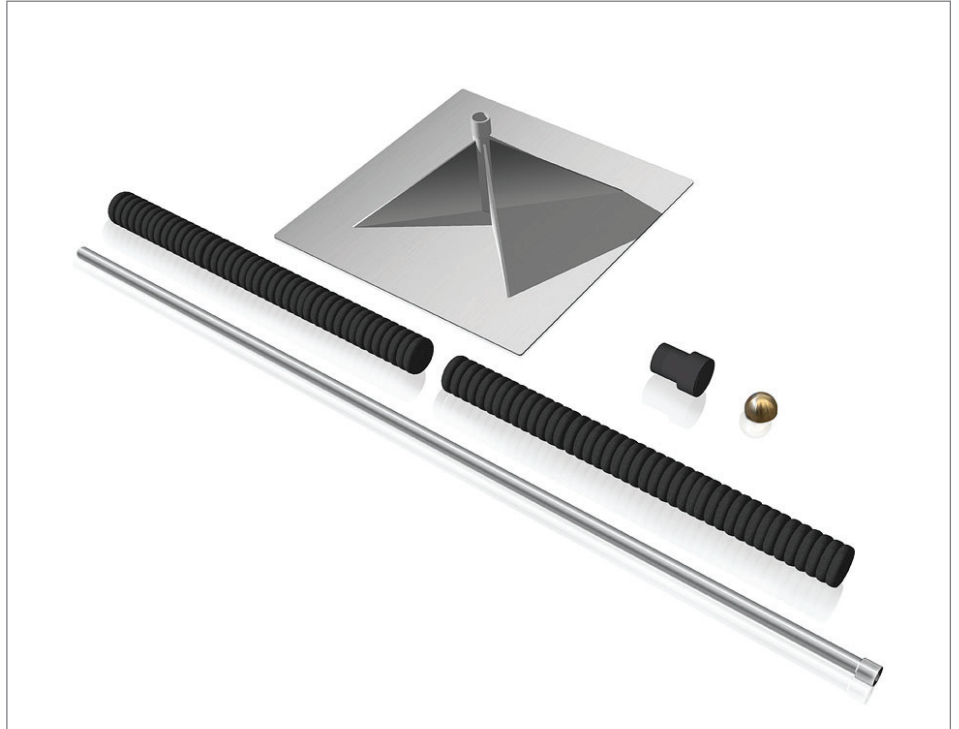


Plate settlement gauge



Rod settlement gauge



The Single point Settlement gauge is used to measure land subsidence or bulging at depth. The instrument takes this measurement topographically on the surface using the brass cap. These gauges come in different versions, i.e. the Plate settlement gauge where the deep anchorage is a metal plate (this type is mainly used when embankments are built) and the Rod settlement gauge, where the deep anchorage consists of a ribbed steel anchor (this type is used for boreholes).

The operating principle is very simple in both

cases: a steel rod is inserted into a corrugated plastic sleeve so that it is not affected by the friction exercised by the soil. The end part of the rod is held firmly in the soil by the deep anchorage (plate or ribbed steel anchor). The top of the rod (measuring point) on the surface is subjected to the same amount of subsidence or lifting action as the deep layer of soil in which the rod is anchored.

The measurement can be taken topographically to obtain absolute subsidence values.

PLATE SETTLEMENT GAUGE SPECIFICATIONS

	dimensions (cm)	material
Plate	500 x 500 x 15	galvanized steel
Cap	40 x 50	brass
Measuring rods	diameter 25, length 2000	galvanized steel
Corrugated sleeve	55	polyethylene

SINGLE POINT SETTLEMENT GAUGE SPECIFICATIONS

	dimensions (mm)	material
Bottom anchor	60 x 600	galvanized steel
Cap	40 x 50	brass
Measuring rods	diameter 25, length 2000	galvanized steel
Corrugated sleeve	55	polyethylene