

## LIGHT WEIGHT DEFLECTOMETER



### Purpose:

The light weight deflectometer (LWD), also known as the light falling weight deflectometer, light drop weight tester, and dynamic plate load test, is a hand portable device that was developed to measure the soil in situ LWD dynamic modulus. Typically, this modulus is used to evaluate the subsoil degree of compaction. Thus it is suitable for compaction quality control of soil-surfaced roads, embankments and replacement fills. To find out the elastic moduli of individual layers in a multilayer system.