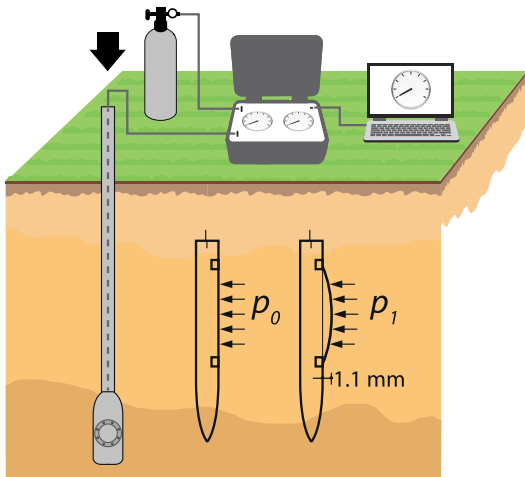


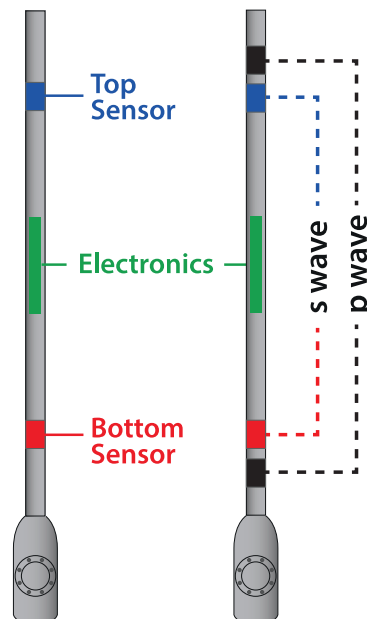
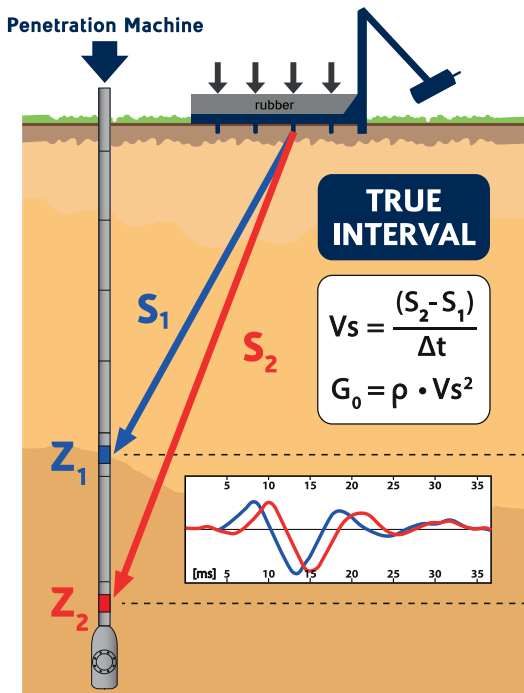
Marchetti Dilatometer for Site Investigations

Direct deformation measurement



DMT

The Flat Dilatometer (DMT) is an in situ test for the determination of various key soil parameters used for geotechnical design. The blade may be advanced with any field machine, including penetrometers and drill rigs. The shape of the DMT blade guarantees the minimum soil disturbance. The profiles of the results are available real time during test execution. The direct measurement of soil deformation enables accurate estimations of the elastic modulus. The K_D parameter provides stress history information of the soil, a very difficult property to assess with other testing methods.



SDMT

The Seismic Dilatometer (SDMT) provides accurate and repeatable seismic test results. The high quality of the acquired seismograms enables to obtain real time V_s results. The SPDMT is an enhanced version containing two additional sensors for recording also the compression P waves.



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