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EXPLANATION SHEET SDMT – FOR S-WAVE & P-WAVES

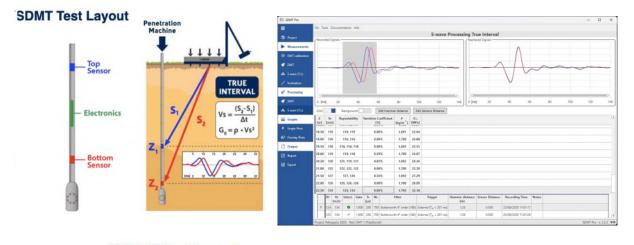
The Marchetti Seismic Dilatometer (SDMT) is a probe for measuring the shear wave velocity Vs of the soil profile. The design of the modules incorporates two geophone sensors spaced at a true interval spacing of 0.5m apart.

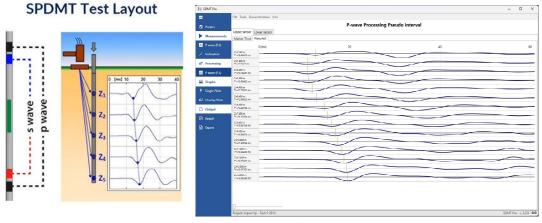
The SPDMT is an enhanced version of the SDMT that has two additional fixed interval geophone sensors that also allows measurement of the compression P-wave velocity Vp.

The electronic board provide very accurate AD signal conversion and uses digital data transmission. Accelerometers monitor the inclination of the probe during penetration.

Using the software package SDMT Pro developed by Marchetti real time assessment of seismic wave velocities Vs and Vp is possible.







Also refer to our Data Sheets on the Medusa DMT and DMT for full details of our DMT testing capability.