

P&S WAVE MEASUREMENT

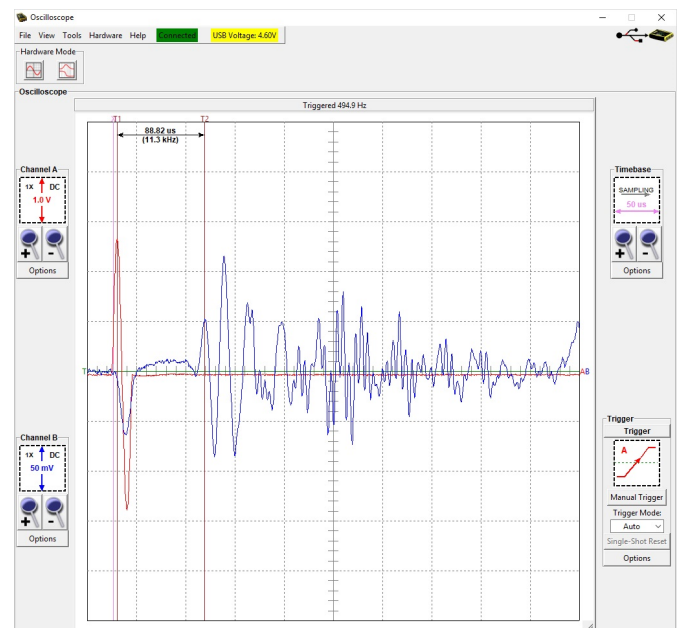
WaVeMe

Routine estimations of stiffness have traditionally been made in a stress path triaxial apparatus; however, low-strain testing is difficult due to insufficient resolution and accuracy of load and displacement measuring devices. The WaVeMe/P and S wave testing system makes the measurement of soil stiffness at very small strains easy. It consists of piezo-ceramic plates, known as P and S sensors, which operate in the same way as bender elements. The system is used to measure compression wave velocity (V_P) and shear wave velocity (V_S) of a specimen. Each testing system comes equipped with combined pairs of piezo-ceramic plated P and S sensors - one serves as the output (or source) signal and the other receives the signal (or input).

- Offers compression and shear wave velocity measurement
- Available for triaxial and direct simple shear systems
- Designed for consistent and repeatable testing you can be confident in



Standard P&S WaVeMe System



V.3 ©GeoComp 5/2024

TECHNICAL SPECIFICATIONS	
TRANSDUCERS	Piezo-ceramic Bender/Extender
SYSTEMS	Triaxial Direct Simple Shear
MEASUREMENT	Compression Wave Velocity (V_p) Shear Wave Velocity (V_s)
SAMPLE SIZE	Triaxial: 2.8 in (71 mm) Direct Simple Shear: 2.5 in (63.5 mm)
DIMENSIONS / WEIGHT	305 x 305 x 114 mm (12 x 12 x 4.5 in) / 7 kg (15 lbs)
INCLUDED	<ul style="list-style-type: none"> • Triaxial Cell • WaVeMe Unit • Piezo-Ceramic Bender/Extender Transducers • P&S software to run and report tests
WARRANTY	12 month warranty; extended warranties available