

STANDARD: ASTM D4648

The automatic vane shear tester TP-LVS is a laboratory geotechnical testing equipment used to determine the shear strength of soft soil or sensitive clay. It can determine the undrained strength of undisturbed soil taken at different depths, and the sensitivity of the soil.

FEATURES

- ⊙ Equipped with a 480*270 high-definition LCD touch screen to display torque and other test parameters in real time.
- ⊙ Equipped with touch buttons to control the operation of the device. The device can be controlled by touch keyboard or software.
- ⊙ Equipped with high-speed network communication interface for computer communication.
- ⊙ Data is stored in the collector in real time and can be run offline.
- ⊙ The acquisition and processing software supports the Win8/10. The software is fully automatic for acquisition and control, can draw the shear strength curve of the soil sample and calculate the strength value, and can export report.

TECHNICAL SPECIFICATIONS

Vane size	Standard vane 12.7mm x 12.7mm 25.4mm x 25.4mm Vane 12.7mm x 25.4mm high Vane 12.7mm x 19mm high Vane which can be customized according to users' requirements
Torque sensor	0-30 N · m, with a precision of 0.3% F.S, with a resolution of 0.1 N · m, which can be customized according to users' requirements
Shear rate	0.01~180 degrees/min, CVT speed



COMPOSITION

Control box	Power supply switch, touch screen, power socket, network port
Container	Base plate and cylinder for the container
Torque drive device	Frame, lifting parts, stepping motor, coupling, vane
Torque Sensor	Measuring range: 0-30 N · m
Digital touch screen and data collector	
Acquisition processing software	