

STRAIN CONTROLLED TRIAXIAL TESTING APPARATUS

STANDARD: ASTM D2850, ASTM D4767, ASTM D7181

It is suitable for measuring soil strength, deformation and pore water pressure. According to the drainage conditions, it can be used for unconsolidated undrained test (U-U test), consolidated undrained test (C-U test) and consolidated drained test (C-D test).

FEATURES

- It can meet the triaxial test requirements of high dams and large projects in water conservancy projects.
- It can be used for fine-grained soil and coarse-grained soil tests.
- It does not require an air compressor or other pressure source.
- Easy to operate, high precision.
- No mercury pollution, safe and reliable.
- The pressure chamber is resistant to high pressure and has low friction.



TECHNICAL SPECIFICATIONS

Model	TSZ-1	TSZ-3	TSZ-6
Sample size	$\Phi 39.1 \times 80(\text{mm})$, $\Phi 61.8 \times 125(\text{mm})$		$\Phi 39.1 \times 80(\text{mm})$, $\Phi 61.8 \times 125(\text{mm})$, $\Phi 101 \times 200(\text{mm})$
Axial load	0-10kN	0-30kN	0-60kN
Relative error	$\pm 1\%$		
Strain rate	0.0024-4.5mm/min, stepless speed regulation		
Table stroke	0-90mm		
Confining pressure	0-2MPa digital control, relative error $\pm 1\%$ FS		
Back pressure	0-2MPa digital control, relative error $\pm 1\%$ FS		
Pore water pressure	0-2MPa digital control, relative error $\pm 1\%$ FS		
Volume change	0-50ml, graduation 0.1ml		
Power	Less than 300W		
Power supply	220 \pm 22V, 50Hz		
Dimensions	Load frame: 1000 \times 640 \times 370mm; control cabinet: 310 \times 350 \times 850mm		
Weight	Load frame: 60kg; control cabinet: 54kg		