

Soil Testing

Soil strength (Triaxial)

The ELE designed and manufactured Tritest 50 load frames are the most modern of their kind available to the discerning test laboratory. Each machine incorporates the latest microprocessor control systems, clear on-board screen displays and a range of other high quality features.



Specification

Dimensions l x w x h	500 x 500 x 1470 mm
Maximum vertical clearance	910 mm
Horizontal clearance	364 mm
Platen diameter	133 mm
Platen travel	100 mm
Platen speed range	0.00001 to 9.99999 mm/min
Rapid approach speed	25 mm/minute
Weight	140 kg

Digital Tritest 50

BS 1377-7,-8 1924-2, ASTM D2850 D4767, AASHTO T296 T297

- Microprocessor control
- Large on-board LED screen display
- Direct entry via a touch sensitive keyboard
- Rapid approach and return to datum of platen
- Fully variable speed, 0.00001 to 9.99999mm/min
- Samples up to 100mm diameter

This 50 kN capacity machine, designed primarily for triaxial testing of soil specimens up to 100mm diameter x 200mm long, comprises a rigid twin column construction with an integral fully variable microprocessor controlled drive unit and LCD display with a touch sensitive keyboard. The machine is normally bench mounted for ease of installation and operation.

The use of a microprocessor controlled drive system and keyboard entry provides the Digital Tritest 50 with a wide variety of features which include pause and speed reset during test. A robustly constructed steel case houses the motor drive system with careful attention being given to the prevention of ingress of water or grit. All operating controls are mounted on the front panel of the machine which is angled and recessed to prevent physical and environmental damage.

Ordering Information

EL25-3518/01 Digital Tritest 50 complete with RS 232C interface for 220 - 240V AC, 50 - 60Hz, 1ph.