

Digital Tritest 50

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

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

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

The use of a microprocessor controlled drive system and keypad entry provides the Digital Tritest 50 with a wide variety of features which include pause and speed reset during test, RS 232C interface for computer control, operator programming of speed and control functions, self test diagnostics and many other features.

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 to prevent physical and environmental damage.

Specification

Dimensions (l x w x h)	500 x 500 x 1420 mm
Max vertical clearance	910 mm; platen down, crosshead up
Horizontal clearance	364 mm
Platen diameter	133 mm
Platen travel	100 mm total
Speed range	0.00001 to 9.99999 mm/min
Weight	90 kg

Ordering Information

25-3518 series Digital Tritest 50

Complete with RS 232C interface

25-3518/01 for 220 V AC, 50 Hz, 1ph

25-3518/02 for 110 V AC, 60 Hz, 1ph

Accessories

Platen Adaptor for 159mm diameter recessed triaxial cell bases see 25-3749.

Unconfined Compression Platens, Dial Gauge and Mounting Assembly see 25-3650.



25-3518 series Digital Tritest 50
shown with Accessories

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