

**POCKET PENETROMETERS**

Light-weight devices for determining the approximate unconfined compressive strength of cohesive soils.

**T 636****POCKET PENETROMETER  
0 - 4.5 kgf/sq.cm**

With a special, calibrated, spring, reading is taken directly on the penetration plunger.

Measures: 0 - 4.5 kgf/sq.cm

Dimensions: 19 mm dia. x 152.4 mm long

Weight: 250 g

**T 636****T 693****DIAL PENETROMETER  
0 - 5 kgf/sq.cm**

The compressive strength can be read directly on the dial. Graduated scale 0 - 5 kgf/sq.cm.

Standard needle Ø 6.4 mm

Dimensions: 150 x 80 x 45 (h) mm.

Weight: 200 g

**T 693****T 694****DIAL PENETROMETER  
3 - 15 kgf/sq.cm**

Similar to T 693. Graduated scale 3 - 15 kgf/sq.cm. Particularly suitable for high consistency soils.

Weight: 200 g

**T 695****GEOTEST DIAL PENETROMETER  
0 - 6 kgf/sq.cm**

Value is read directly on dial gauge.

In addition to the 6.4 mm diameter standard type, 4 load plates (10, 15, 20, 25 mm diameter) are supplied for the indirect determination of the friction angle of incoherent soils.

Dimensions: 150 x 80 x 45 (h) mm. Weight: 200 g.

**The field vane shear test is the most widely used method for measuring the undrained shear strength of soft to medium stiff clays in-situ. It also has good repeatability and is quick in providing valuable information for the planning of more detailed surveys.**

**T 695****T 655/S****POCKET SHEAR METER**

Standard vane, 25 mm dia., range 0 - 10 N/sq.cm

Sensitive vane adaptor, range 0 - 2 N/sq.cm

High capacity vane adaptor, range 0 - 25 N/sq.cm

**T 655****POCKET SHEAR METER**

Similar to the model T 655/S but in plastic.

**T 655/S**

### T 656 HAND VANE TESTER: 0 - 1 kgf/sq.cm

Used for the determination of shear strength of cohesive soils. Torque head has a dial which gives direct readings of shear strength.

Dimensions: 60 mm dia. x 120 mm long.

Weight: 500 g



T 656

### T 656/1 HAND VANE TESTER: 0 - 2 kgf/sq.cm

Like the aforesaid T 656 but with calibrated scale from 0 to 2 kgf/sq.cm

### T 650 FIELD INSPECTION VANE TESTER

For site investigation work. The kit, supplied in carrying case, consists of: N° 6 extension rods, N° 3 vanes Ø 16 - 20 - 25.4, dummy, N° 3 wrenches, N° 10 connections.

Measurements from 0 to 200 kPa.

Dimensions: 480 x 380 x 80 mm. Weight: 4.5 kg

#### Spare parts:

T 650/1 Set of extension rods: Ø 10 mm x 0.5 m

T 650/2 Vane: Ø 16 x 32 mm (0 - 50 kPa)

T 650/3 Vane: Ø 20 x 40 mm (0 - 100 kPa)

T 650/4 Vane: Ø 25.4 x 50.8 mm (0 - 200 kPa)



T 650

### T 653/N FIELD INSPECTION VANE TESTER

For safe vane boring down to 10 m by simple hammering, drilling or pressing.

Its unique 180 degrees "anti-friction" slip coupling system always ascertains the real friction between rods and soil.

#### Specifications:

- n.1 Dynamometric key having dual scale 0-100 and 0-200 kPa , accuracy +/- 3% of full range
- n.1 Stainless steel vane 60 x 120 mm; 0-160 kPa
- n.1 Stainless steel vane 75.8 x 151.5 mm; 0-80 kPa
- n.10 Extension rods dia. 25 x 1000 mm
- n.1 Drive head, hexagonal, 24 mm, M18
- n.1 Adaptor, hexagonal, 24 mm
- n.2 Spanners for extension rods
- n.1 Rod/vane swivel joint
- n.1 Extractor for dia. 22 & 25 mm extension rods
- n.1 Ball cone clamp, 21-28 mm for extractor
- n.1 Steel transport case

Dimensions: 130 x 30 x 21 (h) cm.

Weight : 61 kg



T 653/N