

Pocket Penetrometers

Pocket Penetrometers are used by geotechnicians, geologists, agronomists, etc to quickly and easily obtain an approximate measure of the shear strength and correlation of unconfined compressive strengths. Compressive strength of cohesive and semi-cohesive soils.



Models 16-T0160, T0162

Dial models with maximum value holding system and push-button zeroing.

16-T0160 Range = 0-6 kgf/cm²

Plunger dia. = 6.35mm

16-T0162 Range = 3-15 kgf/cm²

Plunger dia. = 6.35mm



Model 16-T0161

“Geotester” dial model with maximum value holding system and push-button zeroing. Correlates unconfined compressive strength, angle of internal friction in sandy soils, and cohesion in clay soils. Supplied with plunger diameters 6.35, 10, 15, 20 and 25mm.

The inner dial is calibrated in unconfined compressive strength for the 6.35mm dia tip.

Range = 0-6 kgf/cm² (inner dial)

0-11 kgf/cm² (outer dial)



Model 16-T0171

Scale readout model with maximum value plastic indicating ring which is held until manually reset. Manufactured from hard anodized aluminum.

Range = 0-4.5 kgf/cm²

Plunger dia. = 6.35mm



Model 16-T0163

Heavy duty scale readout model with maximum value plastic indicating ring which is held until manually reset. Manufactured from stainless steel. The penetration rod allows relatively deep penetration into the soil (up to 6cm), reducing errors and uncertainties typical of shallow measures. This penetrometer can be used for UCS values between 0 and 10 kgf/cm². Supplied with plunger diameters 4.5mm for very hard soil, 6.35mm for medium to soft soil and 8.98mm for very soft soil.

Range = 0-10 kgf/cm²