

SOIL TESTING INSTRUMENT

Soil Hardness Meter

Model: TYD-1

● Product description

Soil Hardness Meter adopts theoretical value of pressure gauge Kg/cm^2 , to measure soil hardness directly. For soil permeability, aeration and soil properties survey research.

Hardness indication range: 0-40mm, 0-500 kg/cm^2

● Test method

- ▲ Level the measured soil's surface, and insert the pin point of the meter into the soil until (opening) part.
- ▲ Vertically pull out the soil hardness meter and read the hardness indicating value
- ▲ After finished reading measured value, drive rotary-knob, make the indicating meter to zero.
- ▲ Soil attached to the inside of measured head will make the measurements incorrect. Please clockwise rotate (opening) part, take down round sleeve, rotate to the fixed position after cleaning up, and then can measure again.



Soil Compaction Meter

Model: TJSD-750

● Handset parameters

- ▲ Storage capacity: almost up to 30,000 groups in handset, and equipped with 4G Micro SD.
- ▲ Data-collection interval: 5min~99hour
- ▲ Working power supply: 8.4V lithium battery
- ▲ Working current: stand-by power consumption 10mA, working power consumption according to the configuration.

● Model difference



Model	Function
TJSD-750	General type, display soil compaction(KPa , kg/cm^2 , N/cm^2)
Range	0~10,000 KPa ; 0~100 kg/cm^2 ; 0~1,000 N/cm^2 (switchable)
Depth	0~375mm(measuring rod is 400mm)
Accuracy	$\pm 0.5\%$ FS
Position accuracy	Three decimal $\pm 0.05(\leq 50\text{m})$