



TJSD-750-V

# SOIL COMPACTION METER

## Features

- Simple operation, easy to carry, suitable for all-weather field measurement use.
- Uniform displacement reminder function and transverse and longitudinal position balance detection prompt function.
- Equipped with two different measuring area cone heads as standard, which can be suitable for clay, sand, loam and other types of soil to meet different measurement needs.
- With laser range sensor, the unique laser range sensor can capture soil compactness data in increments of 1cm.
- High-precision sensor: the equipment has a high-precision sensor, the measurement accuracy can reach 0.001.
- Wide measuring depth: It can read soil compactness data at a measuring depth of

up to 45cm (customizable depth).

- Diversified data presentation: The device can directly measure soil compactness and record real-time data, peak data, measurement depth, depth compactness relationship graph and other measurement information during the measurement process.
- Dynamic presentation of measurement data: the device automatically generates the depth-firmness relationship curve of each measurement point and records the soil tillage profile information of each measurement point.
- Geographic coordinates positioning function and cone head wear self-check function.
- Measuring depth presetting function: in order to facilitate accurate measurement of the current measuring depth, the device has a measuring depth presetting function in advance.
- Multi-view function and wireless transmission function.
- The device can store >10,000 pieces of data, and the power of the device can be used continuously for >10h.

## Technical Parameter

Probe Size	9.53mm	Resolution	1 cm; 0.03 kg
Measuring accuracy	± 2 cm; ± 0.1% FS	Electricity	5000 Mah, 10 hours standby time
Measuring depth	0-45 cm	Charger input voltage	AC100V-240V, 50/60Hz
Size of the whole machine	Small cone head: 359 mm (L)*94 mm (W)*786 mm (H)		
	Large cone head: 359 mm (L)*94 mm (W)*800 mm (H)		
Small Cone Head Size	Diameter 12.83 mm, area 129 mm2		
Large Cone Head Size	Diameter 20.27 mm, area 323 mm2		
Measuring unit	Kg/cm2, N/cm2, Kpa; cm		
Measuring range	Small tapered head: 7500 kPa, 100 kg		
	Large tapered head: 3000 kPa, 100 kg (120% full scale)		
Operating conditions	Temperature range: -5 ℃ ~55		
	Humidity range: 0%~95%RH		