

## Soil Compaction Tester



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**Model:** MSCLTDUSCTSWISS

#### Key Features:

1. **Compact and Portable:**

- Small and lightweight design, making it easy to carry.
- Equipped with an LCD display for clear and user-friendly data visualization.

## 2. **Data Collection Options:**

- Supports **unattended operation** with both manual and timed data collection settings.
- Automatically records and saves data for efficient and reliable monitoring.

## 3. **Power Supply:**

- Dual power options: supports both **AC and DC**.
- Built-in **8.4V, 1500mAh lithium battery** with advanced features:
  - Charging protection.
  - Low voltage alerts.
  - Long-term placement capability for precise location recording.

## 4. **Large Storage Capacity:**

- Stores up to **30,000 data groups** internally.
- Includes a **4GB Micro SD card** as standard equipment.
- Data can be read directly on the device or imported into a PC for detailed analysis.

## 5. **Data Security:**

- **Power-off memory function:** Ensures saved data on the SD card is preserved even during unexpected power loss.

## 6. Flexible Sensor Connectivity:

- **Probe-to-probe consistency:** Can connect different sensor types via a concentrator without compromising measurement accuracy.

## 7. Low-Power Design:

- Features a system monitor and protection functions to safeguard against **short circuits** and **external interference**.

### Technical Parameters:

Parameter	Details
<b>Model</b>	MSCLTDUSCTSWISS
<b>Recording Time Interval</b>	5 minutes to 99 hours
<b>Position Accuracy</b>	Three decimal $\pm 0.05$ (?50m)
<b>Measuring Range</b>	0–10000 kPa / 0–100 Kg/cm <sup>2</sup> / 0–1000 N/cm <sup>2</sup>
<b>Measuring Accuracy</b>	$\pm 0.5\%$ FS
<b>Measuring Depth</b>	375 mm
<b>Power Supply</b>	8.4V high-capacity lithium battery
<b>Packing Size</b>	540 x 170 x 300 mm
<b>Gross Weight</b>	4 kg

**Applications:**

- Suitable for **agriculture, landscaping, and construction** to measure soil compaction and optimize conditions for plant growth and structural stability.
- Provides accurate data for informed decisions in soil management and compaction assessment.

This model offers robust performance, user-friendly features, and high data reliability, making it ideal for professional and field use.