Soil Compaction Tester

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Model: MSCLTDUSCTSWISS

Key Features:

1. **Compact and Portable:**

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- 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.

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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
Model	MSCLTDUSCTSWISS
Recording Time Interval	5 minutes to 99 hours
Position Accuracy	Three decimal ±0.05 (?50m)
Measuring Range	0–10000 kPa / 0–100 Kg/cm² / 0–1000 N/cm²
Measuring Accuracy	±0.5% FS
Measuring Depth	375 mm
Power Supply	8.4V high-capacity lithium battery
Packing Size	540 × 170 × 300 mm
Gross Weight	4 kg

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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.

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