



EARTH CLAMP METER UNI-T UT-273+

The **UNI-T UT-273+** is an Earth Clamp Meter designed for measuring earth resistance and leakage current. It is a handy tool for electricians, technicians, and engineers working on electrical systems, particularly for grounding and safety checks. Below are some key features and specifications of the UT-273+:

Key Features:

1. **Earth Resistance Measurement:**
 - Measures earth resistance without the need for auxiliary earth spikes.
 - Clamp-on design allows for quick and non-intrusive measurements.
 2. **Leakage Current Measurement:**
 - Detects and measures leakage current in electrical systems.
 3. **Wide Measurement Range:**
 - Earth Resistance: 0.01 Ω to 1200 Ω .
 - Leakage Current: 0.1 mA to 30 A.
 4. **High Accuracy:**
 - Provides reliable and accurate readings for both earth resistance and leakage current.
 5. **Data Hold Function:**
 - Freezes the displayed reading for easy recording.
 6. **Auto Power Off:**
 - Saves battery life by automatically turning off after a period of inactivity.
 7. **LCD Display:**
 - Backlit display for easy reading in low-light conditions.
 8. **Compact and Portable:**
 - Lightweight and ergonomic design for easy handling.
-

Specifications:

- **Earth Resistance Range:** 0.01 Ω to 1200 Ω .



EARTH CLAMP METER UNI-T UT-273+

- **Leakage Current Range:** 0.1 mA to 30 A.
 - **Accuracy:**
 - Earth Resistance: $\pm 1.5\% \pm 0.1 \Omega$.
 - Leakage Current: $\pm 2\% \pm 5 \text{ mA}$.
 - **Clamp Jaw Opening:** 50 mm (approx. 2 inches).
 - **Power Supply:** 4 x 1.5V AA batteries.
 - **Operating Temperature:** 0°C to 50°C (32°F to 122°F).
 - **Storage Temperature:** -10°C to 60°C (14°F to 140°F).
 - **Dimensions:** 240 x 90 x 66 mm.
 - **Weight:** Approx. 600 g (including batteries).
-

Applications:

- Testing and maintaining grounding systems.
 - Detecting and measuring leakage current in electrical circuits.
 - Ensuring electrical safety and compliance with standards.
 - Troubleshooting electrical faults.
-

How to Use:

1. **Earth Resistance Measurement:**
 - Clamp the meter around the grounding conductor.
 - Ensure the conductor is isolated from other parallel paths for accurate readings.
 - Read the resistance value on the display.
 2. **Leakage Current Measurement:**
 - Clamp the meter around the live and neutral conductors together.
 - The meter will display the leakage current flowing through the circuit.
-

Safety Tips:

- Always follow the manufacturer's instructions and safety guidelines.

EARTH CLAMP METER UNI-T UT-273+

- Ensure the meter is in good working condition before use.
- Avoid using the meter in wet or hazardous environments unless it is rated for such conditions

