



EARTH CLAMP METER UNI-T UT-272+

The **UNI-T UT-272+** is an **Earth Clamp Meter** designed for measuring earth resistance without the need for disconnecting the ground system. It is a handy tool for electricians, maintenance technicians, and engineers working on electrical systems. Below are some key features and specifications of the UT-272+:

Key Features:

1. **Earth Resistance Measurement:**
 - Measures earth resistance directly using a clamp-on method.
 - No need to disconnect the ground system, making it safe and convenient.
 2. **Wide Measurement Range:**
 - Earth resistance range: **0.1 Ω to 1200 Ω .**
 - Suitable for a variety of applications, including residential, commercial, and industrial systems.
 3. **Leakage Current Measurement:**
 - Can measure AC leakage current up to **30 A.**
 4. **High Accuracy:**
 - Offers reliable and accurate measurements for both earth resistance and leakage current.
 5. **LCD Display:**
 - Features a large, backlit LCD screen for easy reading in low-light conditions.
 6. **Data Hold Function:**
 - Allows you to freeze the measurement reading on the display for easy recording.
 7. **Auto Power Off:**
 - Saves battery life by automatically turning off the device after a period of inactivity.
 8. **Compact and Portable:**
 - Lightweight and ergonomic design for easy handling and portability.
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Specifications:

- **Earth Resistance Range:** 0.1 Ω to 1200 Ω .
 - **Leakage Current Range:** 0 mA to 30 A AC.
 - **Accuracy:**
 - Earth Resistance: $\pm 2\% \pm 0.1 \Omega$.
 - Leakage Current: $\pm 2\% \pm 5 \text{ mA}$.
 - **Clamp Jaw Opening:** 35 mm (1.38 inches).
 - **Power Supply:** 4 x 1.5 V 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. 550 g (including batteries).
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Applications:

- Testing and maintenance of grounding systems in electrical installations.
 - Measuring earth resistance in power lines, communication towers, and lightning protection systems.
 - Detecting and measuring AC leakage current in circuits.
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Advantages:

- Non-intrusive measurement method ensures safety and convenience.
- Suitable for both professional and DIY use.
- Combines earth resistance and leakage current measurement in one device.

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