



**UNI-T**®



# UT279

## Transformer Grounding Current Tester

The UT279 Transformer Grounding Current Tester is a device designed for on-site online tests of grounding and leakage currents in transformer iron cores. It features a current clamp, monitoring software, communication line, and other functions. This tester helps identify potential faults in transformers, ensuring safe operation and facilitating routine maintenance.

It is versatile and suitable for various sectors including electric power, communications, meteorology, railways, oil fields, architecture, metrology, academic institutions, and industrial enterprises. It is also useful in scientific research and teaching institutes, providing a comprehensive solution for diverse fields.



Leakage current measurement



Large Jaw size



3.5 inch color touch screen



Online none-contact measurement



Strong anti-interference



Alarm function



Data storage



PC software analysis

## Specifications

|            |             |              |
|------------|-------------|--------------|
| AC Current | 0.00mA~100A | ±(0.5%+5dgt) |
| AC Voltage | 0~600V      | ±(0.5%+5dgt) |
| Frequency  | 10HZ~1000HZ | ±2Hz         |

## Features

|                                 |  |
|---------------------------------|--|
| Function                        | 1, Transformer core ground current test;<br>2, AC leakage current, current online test |
| Test method                     | Clamp CT   |
| Jaw size                        | 1, Max measurable dis.: $\phi$ 80mm wire<br>2, Flat steel ground wire: 96 x 4mm        |
| Screen                          | 3.5 inch color touch LCD (320 x 240);<br>Size: 71 x 53mm                               |
| Sampling rate                   | 1 time/second  |
| Data storage                    | 200 set  |
| Automatic shut-down             | √  |
| USB interface                   | Data transmission via USB cable  |
| Alarm Settings                  | 10mA~99.99A  |
| Alarm indication                | Audiable & Visual alarm  |
| Line voltage                    | <AC 600V   |
| Over range display              | "OL" symbol display  |
| Low battery indication          | √  |
| Lead length                     | Current clamp lead length: 2m  |
| Working environment             | -10°C~40°C; below 80%rh  |
| Storage environment             | -10°C~60°C; below 70%rh  |
| Dielectric strength             | AC 2kV/rms (between screw and case)  |
| Pollution degree                | 2  |
| Suitable for safety regulations | CAT III 600V; IEC1010-1; IEC1010-2-032; IEC61326                                       |

## General Characteristics

|                   |  |
|-------------------|--|
| Power supply      | DC 9V alkaline dry battery LR6 1.5Vx6  |
| Product color     | Red+Black  |
| Product weight    | Host: 450g (including battery);<br>Current clamp: 780g   |
| Product dimension | Host size: 198 x 100 x 45mm;<br>Current Clamp Size: 194 x 145 x 40mm   |
| Accessories       | Meter (including current clamp) 1pcs, USB cable 1pcs, tester box 1pcs, AAA battery 6pcs,<br>user manual 1pcs |
| SPQ               | 2pcs   |
| Package dimension | 430 x 280 x 260mm  |