



## UT278B/C/D

### Ground Pile Clamp Earth Resistance Testers

UT278B/C/D Earth Clamp Meters, also called Loop Resistance Testers, are used for grounding resistance test. They have multiple functions such as clamping measurement, 3- or 4-wire measurement, voltage/current measurement, data storage/viewing, alarming, auto power off and more. With fast filtering technology employed, interference can be minimized.

Designed with 2.4-inch color screen, UT278B/C/D are characterized by aesthetic appearance, easy to carry, wide range, high resolution, stable performance, strong anti-interference ability. They are mainly used to measure ground resistance of power distribution lines, gas stations, grounding grids, lightning rods, telecommunication, electric power, meteorology, oil fields and others.

- 2.4-inch color screen
- Earth resistance measurement
- Leakage current measurement
- Current measurement
- Grounding voltage measurement
- Alarm function
- USB data transfer
- Built-in rechargeable lithium battery
- Soil resistivity measurement (UT278C & UT278D)



UT278C serial



Functions	Range (UT278B)	Range (UT278C)	Range (UT278D)
Ground resistance	0.00Ω-1500Ω	0.00Ω-1800Ω	0.00Ω-2000Ω
Leakage current	0.000A-40A	0.000A-50A	0.000A-60A
Current resolution	1uA	1uA	1uA
3 or 4-wire method resistance	0.00Ω-3KΩ	0.00Ω-30KΩ	0.00Ω-30KΩ
Soil resistivity	N/A	0.00Ω-9999KΩ	0.00Ω-9999KΩ
Ground voltage	600V	600V	600V
Accuracy guaranteed temperature humidity	23°C±5°C, below 75%rh	23°C±5°C, below 75%rh	23°C±5°C, below 75%rh
Features			
Power supply	1, DC 3.7V lithium battery; 2, Real-time display of battery power, reminding to charge in time		
Jaw size	68mm		
Screen	2.4 inch (46x29mm) color LCD		
Measurement time	1 time/sec		
USB data upload	The stored data can be uploaded, saved and printed.		
Data storage	500 set		
Backlight	√		
Alarm function	√		
Auto power off	Around 15 minutes		
Power consumption	750mA MAX		
Overload protection	√		
Weight	975g (including battery)		
Operating temperature	-10°C-50°C; below 80%RH		
Storage temperature	-10°C-60°C; below 70%RH		
Insulation resistance	>20MΩ (500V between circuit and case)		
Withstand voltage	AC 3700V/RMS (between circuit and case)		
External magnetic field	<40A/m		
External electric field	<1V/m		
Applicable safety regulations	IEC61010-1; IEC61010-031; IEC61557-1(Ground resistance); CAT III 300V, CAT IV 150V; Pollution degree: 2		