

# Clamp Earth Ground Tester |

## 273 / 276+ / 278+

Mid Range

Clamp Earth Ground Tester based on the rogowski coil principle can quickly and safely measure the grounding system without disconnecting circuit ground lines or the need of auxiliary electrodes. It can measure resistance from 0.01Ω with a resolution of 0.001Ω. These clamps double insulation design makes them durable tools for outdoor work and effective in blocking interference signals from the environment.

CERT PLUS 278A provides the additional feature of providing the leakage current.

### Specifications :

Model Selection	Range	273	276+	278+
Auto Range		√	√	√
Display Count		10000	4 Digits LCD Display	
Jaw Size		28mm	32mm	32mm
Earth Ground Resistance (Ω)	0.01~0.099Ω	±(1%+0.01)	±(1%+0.01)	±(1%+0.01)
	0.1~0.99Ω	±(1%+0.01)	±(1%+0.01)	±(1%+0.01)
	1~49.9Ω	±(1.5%+0.1)	±(1%+0.1)	±(1%+0.1)
	50~99.5Ω	±(2%+0.5)	±(2%+0.5)	±(2%+0.5)
	100~199Ω	±(3%+1)	±(3%+1)	±(3%+1)
	200~395Ω	±(10%+5)	±(6%+5)	±(6%+5)
	400~590Ω	±(20%+10)	±(10%+10)	±(10%+10)
	600~800Ω	–	±(20%+20)	±(20%+20)
	600~1000Ω	±(25%+20)	–	–
Leakage Current (A)	0mA~9mA	–	–	±(2.5%+1mA)
	10mA~99mA	–	–	±(2.5%+5mA)
	100mA~299mA	–	–	±(2.5%+10mA)
	0mA~299mA	–	–	–
	0.3A~2.99A	–	–	±(2.5%+0.1A)
	3A~9.9A	–	–	±(2.5%+0.3A)
	10A~20A	–	–	±(2.5%+0.5A)
	3A~30A	–	–	±(2.5%+0.5A)
Resistance Measurement Frequency	>1kHz	–	√	√
Single Measurement Time	1 Second	–	√	√
Current Limit Alarm	1mA~499mA	–	√	√
Current Measurement Frequency	50Hz/60Hz	–	√	√
Auto Power Off		√	–	–
RS-232		–	√	√
Visual and Audible Alarm		–	√	√
Jamming Signal Recognition		–	√	√
Over-Range Display		–	√	√
Data Storage		30 Data Sets	300 Data Sets	
Category Safety Ratings	CAT III 300V			
<b>General Characteristics</b>				
Power	1.5V Battery (LR6) x 4			
Display	LCD	EBTN Display		
Product Net Weight	273: 1320g; 276A/278A: 1160g			
Product Size	273: 293mm x 90mm x 66mm; 276/278+: 285mm x 85mm x 56mm			
Standard Accessories	Batteries, Test Ring, Toolbox			



Complies to:  
IEC61010-1  
IEC61010-2-032



### Features :

- Resistance limit alarm
- Auto range
- Low battery indication