

INTRODUCTION

This instrument performance is mainly used in:

- Breakthrough in self-test the boot a long time to wait, start immediately into the test.
- Breakthrough relay self-test mode, using the most advanced processing algorithms and digital integration technology, a fully intelligent.
- Break the old product to heavy issues, more in line with characteristics of handheld devices.
- New design, panel operation with 6 buttons, better performance.
- An increase of sound and light alarm, “beep—beep--beep --” alarm sound.
- Increase the interference signal recognition indicator.
- Improved anti-jamming capability and test stability.
- Stored data: 99 Units.
- Wider range: 0.01Ω-1500Ω
- Lower power consumption: Maximum operating current not exceeding 50mA. CET series of Ground Resistance Tester is widely used in the grounding resistance measurement of the power, telecommunications, meteorology, oilfield, construction and the industrial and electrical equipment.

CET series of Ground Resistance Tester, in the measurement of a grounding system with loop current, does not require breaking down the grounding wire, and need no auxiliary electrode. It is safe, fast and simple in use.

CET series of Ground Resistance Tester can measure out the faults beyond the reach of the traditional methods, and can be applied in the occasions not in the range of the traditional methods.

CET series of Ground Resistance Tester can measure the integrated value of the grounding body resistance and the grounding lead resistance.

CET series of Ground Resistance Tester is equipped with a long jaw, as indicated in the figure below. A long jaw is particularly suitable for the occasion of grounding with the flat steel. In addition,

CET-03\CET-04 Ground Resistance Tester is also able to measure the leakage current and the neutral current in the grounding system.



Mode	Jaw specification	Range of measurement	Range of current	Storage function	Alarm function
CET-01	φ32mm	0.01Ω - 1500Ω	----	99 Units	√
CET-02	65mm×32mm	0.01Ω - 1500Ω	----	99 Units	√
CET-03	65mm×32mm	0.01Ω - 1500Ω	0.0mA - 30.0A	99 Units	√
CET-04	φ32mm	0.01Ω - 1500Ω	0.0mA - 20.0A	99 Units	√
CET-05	65mm×32mm	0.01Ω - 200Ω	----	99 Units	√
CET-06	φ32mm	0.01Ω - 200Ω	----	99 Units	√

SPECIFICATION

- Instrument safety: IEC/EN61010-1, IEC/EN6010-2-032
- Insulation: double insulation Pollution degree: class II Overvoltage category: CAT III 150V to ground, Max 20A Degrees of protection:
- IP30, Group III equipment as per EN 60529 Ed 92
- IK04, as per EN 50102 Ed 95 Dimensions(L×W×H):
- **Long elliptic jaw:** 285mm×90mm×66mm; (11×4×3 inches)
- **Round jaw :** 260mm×90mm×66mm;(10×4×3 inches)
- **Span of Jaw :** Long elliptic jaw 35mm; round jaw 32mm
- **Weight (including batteries):** Long elliptic jaw-1160g, Round jaw-1120g
- **Battery type:** 4 ×1.5V alkaline LR6 AA battery
- **Low battery indication:** is displayed
- **Internal consumption:** <50mA
- **Auto Power Off:** after 5 minutes of idleness
- **Display:** 4 LCD, sign, decimal point and backlight
- **Memory size:** 99 Units of Reading Environment (Temperature & Relative Humidity):
- **Working:** -10°C~55°C, 10%RH-90%RH
- **Storage:** -20°C~60°C, below 70%RH Range shift: Full range automatic shifting External magnetic field: <40A/m
- **External electric field:** <1V/m
- **Data upload interface:** RS232 (Optional)
- **Auto Ranging:** No need to select the range

Note: “√” means available.

Earth / Ground Resistance

Range	Resolution	Accuracy
0.010Ω - 0.099Ω	0.001Ω	±(1%+0.01Ω)
0.10Ω - 0.99Ω	0.01Ω	±(1%+0.01Ω)
1.0Ω-49.9Ω	0.1Ω	±(1%+0.1Ω)
50.0Ω-99.5Ω	0.5Ω	±(1.5%+0.5Ω)
100Ω-199Ω	1Ω	±(2%+1Ω)
200Ω-395Ω	5Ω	±(5%+5Ω)
400-590Ω	10Ω	±(10%+10Ω)
600Ω-880Ω	20Ω	±(20%+20Ω)
900Ω-1500Ω	30Ω	±(25%+30Ω)

Current (True-RMS)

Range	Resolution	Accuracy
0.00mA -9.00mA	0.05mA	±(2.5%+2mA)
10.0mA -99.0mA	0.1mA	±(2.5%+10mA)
100mA -300mA	1mA	±(2.5%+20mA)
0.30A-2.99A	0.01A	±(2.5%+0.1A)
3.0A-9.9A	0.1A	±(2.5%+0.5A)
10.0A-30.0A	0.1 A	±(2.5%+1 A)

Resistance Measurement Frequency : >1KHz
 Measured Current Frequency:
 50Hz/60Hz Setting Range of Resistance Alarm Critical Value : 1Ω-199Ω *Setting Range of Current Alarm Critical Value : 1mA -499mA

