

INTRODUCTION

- Self-test facility. No need to wait a long time to boot. Ready to use immediately after being switched on.
- Breakthrough relay self-test mode, using the most advanced processing algorithms and digital integration technology, fully intelligent.
- Handheld device, easy to carry.
- New design, panel operation with 6 buttons, better performance.
- Loud sound and light alarms; “beep—beep--beep --” alarm sound.
- Improved interference signal recognition indicator.
- Improved anti-jamming capability and test stability.
- Data storage: 99 Units.
- Wider range: 0.01Ω-1500Ω
- Lower power consumption: Maximum operating current does not exceed 50mA. Are widely used for grounding resistance measurement in power, telecommunications, meteorology, oil fields, construction industries and electrical equipments.
- In the measurement of a grounding system with loop current, it does not require breaking down the grounding wire and needs no auxiliary electrode. Safe, fast and simple to use.
- Can measure ground faults beyond the reach of traditional methods and can be applied in situations not in the range of traditional methods.
- Can measure integrated value of the grounding body resistance and the grounding lead resistance.
- Equipped with long jaws (as indicated in the image). Long jaws are particularly suitable for testing grounding with flat steel.
- In addition, CET-03\CET-04 Ground Resistance Testers are also able to measure leakage current and 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	√

SPECIFICATIONS

- Instrument safety: IEC/EN61010-1, IEC/EN6010-2-032
- Insulation: double insulation, pollution degree: class II Over-voltage category: CATIII 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 elliptical jaw:** 285mm×90mm×66mm (11×4×3 inches)
- **Round jaw :** 260mm×90mm×66mm (10×4×3 inches)
- **Span of Jaw :** Long elliptical jaw 35mm; round jaw 32mm
- **Weight (including batteries):** Long elliptical jaw - 1160g, Round jaw-1120g
- **Battery type:** 4 ×1.5V alkaline LR6 AA battery (not included)
- **Low battery indication**
- **Internal consumption:** <50mA
- **Auto Power Off:** after 5 minutes of being idle **Display:** 4 digits 9999 counts Backlit LCD with annunciators
- **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)

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

