CLAMP-ON EARTH RESISTANCE TESTERS

CLAMP GROUND RESISTANCE TESTER
Model -KM 1690 / KM 1790

Double Insulation Grade

CAT III 300V
CAT IV 150V



CE Approved

- ✶ **Display :** 4 Digit LCD backlight display.
- ✶ **Jaw Size :** 32 mm
- ✶ **LCD Dimension :** 46mm×29mm

✶ **FUNCTIONS :**

- **Resistance :** 0.01Ω ~ 1200Ω
- **Resistance Resolution :** 0.001Ω
- **Current Measurement :** 0.00mA ~ 20.0 A **(KM 1790)**
- **Current Resolution :** 0.01mA **(KM 1790)**
- **External Magnetic Field :** < 40A / m
- **External Electric Field :** < 1V / m
- **Insulation Resistance :** 20Ω or more (500V between circuit and outside)
- **Pressure Resistance :** AC 3700V/rms (between circuit and outside)

✶ **SAFETY:**

- IEC61010-1(CAT III 300V, CAT IV 150V, Pollution Degree 2); IEC61010-031; IEC61557-1 (grounding resistance)

✶ **ADDITIONAL FUNCTIONS :**

- Explosion-proof Type **(KM 1690)**
- Multifunctional Type **(KM 1790)**
- New design, long lif clamp head
- New Black Screen luxury design
- Ω+A same screen display **(KM 1790)**
- Quick self-test function without waiting (5.1Ω Coil)
- Using fast filtering technology
- Strong anti-interference ability
- 300 sets of storage

✶ **Power supply :** 4 x 5 Alkaline dry Battery
✶ **Weight :** Approx. 1180gm (with battery)
✶ **Dimension :** Approx. 285(L) x 85(W) x 56(D) mm
✶ **Accessories :** 5# battery, Calibration ring, Instruction Manuals & Carrying case

GROUND PILE TYPE CLAMP GROUND RESISTANCE TESTER
Model - KM 1920



Ground-pile clamp ground resistance tester, also known as loop resistance tester, is used to test ground resistance. This meter uses a brand new 2.4-inch luxury color screen design, with clamp resistance, three or four-wire resistance, AC voltage, current measurement functions, and also has data storage, data access, alarm, automatic shutdown and other functions. The whole machine is beautiful and high-grade, wide range, high resolution, convenient operation, easy to carry, accurate, reliable, stable performance, and strong anti-interference ability. Moreover, it has a shock-proof, dust-proof, and moisture-proof structure.

It is a commonly used and indispensable instrument for telecommunications, electric power, meteorology, computer rooms, oil fields, electro mechanical installation and maintenance, and industrial enterprises that use electricity as industrial power or energy. It is suitable for measuring grounding resistance of various telecommunications, electricity, meteorology, computer rooms, oil fields, power distribution lines, transmission lines of iron towers, gas stations, factory grounding grids, lightning rods, etc. The ground pile clamp ground resistance tester is controlled by a microprocessor and can accurately detect ground resistance. It uses fast filtering technology to minimize interference. At the same time with data storage and data upload functions.

✶ **Display : 2.4 inch TFT color screen Backlight display**
✶ **Jaw Size :** 68 mm
✶ **LCD Display : 46 x 29 mm**

✶ **FUNCTIONS :**

- **Clamp resistance range : 0.00Ω-1500Ω**
- **Leakage current range : 0.000mA-40A**
- **Current resolution :** 0.001mA
- **Three-four-wire method range: 0.00Ω-3000Ω**
- **Ground voltage range: 600V**

- **Single Measurement Time :** 0.5s
- **Resistance Measurement Frequency :** > 1KHz
- **Shift :** Automatic

✶ **ADDITIONAL FUNCTIONS :**

- **Built-in rechargeable battery**
- **USB data upload function**
- **Real-time battery power indicator**
- **Alarm function**
- **Low battery voltage indication**

✶ **Power supply :** DC 3.7V lithium battery
✶ **Weight :** Approx. 1160gm
✶ **Dimension :** Approx. 273(L) x106(W) x 53(H) mm
✶ **Accessories :** Battery, User Manual, USB Cable & Carrying case.

LOOP IMPEDANCE TESTER
Model - KM-5208LP

CAT III 300V



CE Approved

As Per the guidelines for implementation of Electrical Installation Standards in buildings, the earth fault loop impedance has to be low enough to allow adequate earth fault current flow to cause an over current protective device in a faulty circuit to operate in a sufficiently short time.

KM 5208LP measures the earth fault loop impedance for safe operation of the circuits.

✶ **Display :** 3 ½ Digit 2000 Counts LCD backlight display.

✶ **FUNCTIONS :**

- **Loop Impedance Measurement:**

Range	Measuring Range	Nominal test current at 0Ω external loop	Accuracy
20Ω	0.00~19.99 Ω	23A / 40ms	(2%rdg + 4dgt)
200Ω	0.0~199.9 Ω	2.3A / 40ms	
2000Ω	0~1999 Ω	15mA / 400ms	

- **Prospective Short-Circuit Current Measurement:**

Range	Measuring Range	Nominal test current at 0Ω external loop	Accuracy
20KA	0.00~4.00 KA	23A / 40ms	Consider accuracy of loop impedance
2000A	0~1999 A	23A / 40ms	
200A	0.0~199.9 A	2.3A / 40ms	

- **Voltage Display**

Measuring Range	Accuracy	Remark
150~260V	(2%rdg + 4dgt)	at 0 Ω external loop

✶ **Safety :** EN 61010-1 CAT III 300V EN 61326-1

✶ **ADDITIONAL FUNCTIONS :**

- 15mA loop measurement which will not trip ELCBs.
- Convenient and easier for users to measure the loop impedance directly without by passing the wires.
- Wiring check function.
- Over temperature protection.
- Over voltage protection.
- Built-in voltmeter, Earth Tester & Loop/psc Tester.
- No Batteries used.

✶ **Power supply :** Instrument takes supply from the line voltage from connection by the test leads.
✶ **Weight :** Approx. 440gm.
✶ **Dimension :** Approx. 220(H) x 110(W) x 50(D)mm
✶ **Accessories :** Test leads x 3, User Manual & Carrying case.