

The new KM-1720+ Earth Resistance Tester is our company's efforts for quality & the pursuit of excellence through continuous innovation and improvement of the old product to a complete upgrade. Its performance is mainly reflected in :

- The new design, panel 6 button operation, the constance performance.
- An increase of sound and light alarm, "beep - beep - beep -" alarm sound.
- Increase the interference signal recognition indicator.
- Improved test stability.
- Stored data : 99 groups.
- Wider range : 0.01Ω - 1200Ω
- Lower power consumption : Maximum operating current not exceeding 50mA.

**GENERAL SPECIFICATIONS :**

- **Display screen** : 4 digit LCD, 47 x 28.5mm in length
- **Jaw Opening** : 65 x 32 mm.
- **Calibration** : Automatic self calibration
- **Operating temperature** : -20°C ~ 55°C
- **Operating humidity** : 10% ~ 90%RH
- **Protection grade** : double insulation
- **Sound & light alarm** : "beep - beep - beep -" alarm sound, Flashing alarm symbol, By AL key to open, close, set
- **Range selection** : Automatic
- **PC Interface** : RS232 interface
- **External Magnetic Field** : < 40A/m
- **External Electric Field** : <1V/m
- **Sampling Time** : 1 second
- **Measurement Resistance Frequency** : >1KHz
- **Max. Resistance Measurement Resolution** : 0.001Ω
- **Resistance Measurement Range** : 0.01 - 1200Ω
- **Current Measurement Range** : 0.00mA - 20.0A
- **Current Measurement Resolution** : 0.05mA
- **Measured Current Frequency** : 50 / 60 Hz
- **Storable Measurement Data** : 99 groups
- **Setting range of Resistance Alarm Critical value** : 1 - 199Ω
- **Setting Range of current Alarm Critical Value** : 1 - 499mA
- **Weight** : 1160g (inclusive of battery)
- **Power supply** : 6 VDC (4 X 5# alkaline battery)
- **Dimension of tester** : 285(L) x 85(W) X 56(D) mm

**KM 1720+**



Preliminary Data.

**ELECTRICAL SPECIFICATIONS : KM 1720+  
RESISTANCE**

Measurement Range (Ω)	Resolution (Ω)	Accuracy (Ω)
0.010~0.099	0.001	±(1% + 0.01Ω)
0.10 ~ 0.99	0.01	±(1% + 0.01Ω)
1.0 ~ 49.9	0.1	±(1% + 0.1Ω)
50.0 ~ 99.5	0.5	±(1.5% + 0.5Ω)
100 ~ 199	1	±(2% + 1Ω)
200 ~ 395	5	±(5% + 5Ω)
400~ 590	10	±(10% + 10Ω)
600 ~ 880	20	±(20% + 20Ω)
900 ~ 1200	30	±(25% + 30Ω)

**CURRENT RANGE MEASUREMENT**

Measurement Range (Ω)	Resolution (Ω)	Accuracy (Ω)
0-00.9.00mA	0.05mA	±(2.5% + 1mA)
10.0 - 99.0mA	0.1mA	±(2.5% + 5mA)
100 - 300mA	1mA	±(2.5% + 10mA)
0.30A - 2.99A	0.01A	±(2.5% + 0.1A)
3.0A - 9.9A	0.1A	±(2.5% + 0.3A)
10.0A - 20.0A	0.1A	±(2.5% + 0.5A)

**APPLICATION :**

1. Earthing of electric power and distribution system.
2. Telecom system earthing.
3. Earthing of lightning rod and oil depot.
4. CAT V network earthing.
5. Earthing of multi-storied building and warehouse etc.
6. Earth Pit Resistance.

All Specifications are subject to change without prior notice.