

CLAMP-ON TYPE DIGITAL EARTH RESISTANCE TESTER MODEL KM 1620

Earth Resistance Tester is widely used for earth resistance testing of the equipments in the field of power, telecommunication, meteorology, oilfield, construction and the industrial and electrical equipment.. It features easy operation, high-accuracy and good adaptation of testing environment.

FUNCTIONS AND FEATURES:

- Beyond the limitation of the traditional method of earth resistance testing, no assistance poles are required, with easy and convenient operation.
- Automatic range selection & self calibration.
- No error of electrodes arranging, which results in good consistency under the condition of earth resistance testing.
- Equipped with standard testing coil (5.1Ω) which can be used to do the self-testing with accuracy.
- With a compact & sturdy structure, it can operate under the condition of harsh-environment.
- Mode key switch key of function mode (Resistance measurement / Current measurement / data access).
- High-Low limits set table for Resistance & Current.
- Hold Key for lock / release display
- Set key function key combinations.

GENERAL SPECIFICATIONS :

- Jaw Opening Size : 32 mm
- Display screen : 4 digit LCD Backlight,
47 x 28.5 mm in length
- Working Temperature : -20°C ~ 55°C10; RH-90%RH
- Operating Humidity: 10% ~ 90%RH
- Protection grade : double insulation
- External Magnetic Field : < 40A / m
- External Electric Field : < 1V/m
- Measurement Resistance Frequency : > 1 KHz
- Maximum Resistance Measurement Resolution : 0.001Ω
- Resistance Measurement Range : 0.01 - 1500 Ω
- Data Storage : 500 groups
- Audible & Visual alarm : "beep--beep--beep --" alarm sound.

Press "AL" key to turn on and off



Carrying Case

All Specifications are subject to change without prior notice.

- **Max. Bus Bar Dimension** : 32 mm × 65 mm.
- **Structure** : Clamp CT
- **Single Measurement Time** : 0.5 second
- **Measured Current Frequency** : 50/60Hz automatically.
- **Setting Range of Resistance Alarm Critical Value** : 1 ~ 199Ω
- **Setting Range of Current Alarm Critical Value** : 1 ~ 499mA
- **Power supply** : 4 X AAA alkaline dry battery (6VDC)
- **Weight** : Approx. 1160gm
- **Dimension** : Approx. 285(L) x 85(W) x 56(D) mm
- **Accessories** : Standard Testing Coil (5.1Ω), User manual, Batteries & Strong Carrying Case.

ELECTRICAL SPECIFICATIONS

Accuracy : ±% reading ± digits environment to guarantee accuracy : 23°C ± 5°C, less than 75% RH

RESISTANCE

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

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