



Lightning products

Earth Ground Tester

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The **AFM2408TL** digital earth ground tester allows for the measurement of earth resistances and soil resistivity, and also the spurious voltages caused by parasitic voltages present in the soil. This equipment is suitable for fast and easy measurement of the grounding resistance in house, industrial buildings, hospital installations, lightning rods, antennas, substations, etc. Soil resistivity measurement allows for soil stratification in order to optimize the most complex grounding systems.

Its state-of-the-art system of active and passive filters provides it with high immunity to electric interferences, making it possible to obtain reliable measurements even in the presence of spurious voltages, such as the ones that can be found in some urban areas and near primary substations.

A 1,470 Hz internal generator injects alternated current on the soil through an auxiliary rod. The voltage generated over the earth resistance is measured by the apparatus, and the resistance value is evaluated. The test current is automatically regulated.

Because of its wide range of measurement (from $0.01\ \Omega$ up to $20\ k\Omega$), this equipment allows for reliable testing in all kinds of soils, including those that offer very high resistivity.

It has a sturdy cabinet, easy and safe-to-carry, with an IP65 protection grade (closed lid). It is suitable to work under adverse geographical and environmental conditions, with extreme temperatures in cold or tropical regions and in high mountain areas, showing a reliable performance in the field.

Characteristics

Reference :	AFM2408TL
Measurement range :	Resistance : 0 - 20 kΩ Voltage : 0 - 200 V~
Resolution	Resistance : 0.01 Ω Voltage : 0.1 V
Precision :	Resistance : ± 2 % of the measured value ± digits Voltage : ± 2 % of the measured value ± digits
Fréquence d'opération de mesure :	1470 Hz
Operating temperature :	-10 °C to +50 °C
Storage temperature :	-25 °C to +70 °C
Humidity range :	95% RH (non condensing)
Poids :	≈ 1.5 kg
Weight :	221 x 189 x 99 mm
Battery :	NiMH Rechargeable Battery AC Adapter 12 V – 1 A
Output current :	Limited to less than 10 mA (max.)
Output power :	Less than 0.5 W

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Included accessories :

- 4 steel spikes
- AC Adapter
- Reel with 40 m, red cable
- Reel with 20 m, blue cable
- Reel with 20 m, green cable
- 5 m short black cable
- 5 m short green cable for connection to the ground to be measured
- Connection wire to supply the charger with a 12 V external battery (the car battery)
- Quick reference
- Bag to transport the equipment
- Bag to transport accessories

Optional accessories :

- Steel spike
- 2 m cable for interconnection of the additional spikes

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