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DEVICE FOR MEASURING EARTH RESISTANCE

M71 has been developed to measure earth resistance with 2 wires and 3 wires by voltammetric method in compliance with standard IEC/EN61557-1

This device allows carrying out measurements with a wide measuring range $(50k\Omega)$ and an efficient internal automatic compensation of the disturbance effects found on the installations, and it is provided with an ergonomic design with electronic function selector for quickly carrying out the tests.

The 2-wire method allows carrying out earth measurement by taking advantage of appropriate external masses as a reference (metal surfaces, tubes, neutral conductor, etc.), which is particularly useful in domestic environments where, because of logistic problems, it is not possible to use the 3-wire method.



ORDER CODE **HP002000** | **HP002100**

2000|T2100

CLAMP METERS FOR MEASURING EARTH RESISTANCE WITH STAKELESS TESTING METHOD AND LEAKAGE CURRENT UP TO 20A AC

T2000 e T2100 are professional voltammetric clamps specially developed to evaluate resistance of earth rods with no need to disconnect any part of the system. The inner part of the device is made of 2 jaws, one for current reading and the other for voltage generation. The voltage jaws generate a potential (E) on the loop during resistance (R) measurement. A current (I) is consequently generated on the loop and is measured by the current jaws. Based on the value of parameters E

and I, the instrument displays the resistance R value calculated as their ratio. The value measured by the device can be used in case the single rods do not influence each other. T2000 also measures AC current up to 20A and leakage current with resolution 0.05mA

This devices comply with standard IEC/EN61010-1 in CAT III 150V and they are the ideal solution for measurements to be carried out both in domestic and in industrial environments.



Functions

- Earth measurement with 2 terminals
- Earth measurement with 3 terminals
- Measuring range: 0.01Ω -50k Ω
- · Compensation of disturbance voltages
- · Compensation of test cables



Main features

batteries type AA 4x1.5V Power supply:

240x100x45mm

LCD display Display:

2 Pollution level:

IEC/EN61010-1 Safety: Measurement CAT III 240V category:

Weight

Size (LxWxH):

630g (batteries included):



Accessories provided

KIT0071	Set of 3 cables + 3 alligator clips + 2 metal probes
SP-6085	Soft carrying bag
	User manual on CD-ROM
	Quick user guide
	ISO9000 calibration certificate



Optional accessories

1066-IECN Connector for cable extension 4mm



- Earth resistance with stakeless testing method
- · Measurement of leakage current on earth systems (only T2000)
- · Setting of alarm thresholds on measurements
- · Storage of measurement results
- Detection of disturbance currents on measurement
- Data HOLD, Backlight, Auto Power OFF
- · Maximum diameter for clamp 32mm
- Serial interface RS-232 for connection to devices of MacrotestG series (only T2100)



Main features

batteries type AA 4x1.5V Power supply:

99 locations Memory:

LCD 4-digit display + decimal point, backlight Display:

2 Pollution level:

IEC/EN61010-1-2-032 Safety:

1320g

CAT III 150V Measurement category: 293x90x66mm Size (LxWxH):

Weight

(batteries included):



Technical Specifications

Resistance measurement

- Measuring range Ω : 0.010 \div 1000
- Resolution Ω : 0.001 \div 20
- Basic accuracy Ω : \pm (1%reading + 0.01)

TRMS current measurement (only T2000)

- Measuring range: 0.00mA ÷ 20A
- Resolution: 0.05mA ÷ 0.01A
- Basic accuracy: ± (2.5%reading + 1mA)



Accessories provided

	Resistive test loop
	Batteries
	User Manual
	ISO9000 calibration certificate
C2100	Connection cable Hypertac / Jack 3,5mm RS-232 <i>(only T2100)</i>
	Rigid Carrying case

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