



CAT III 600V

TRMS

YouTube

ORDER CODE HP002000 | HP002100

T2000|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 0.1mA.

This devices comply with standard IEC/EN61010-1 in CAT III 600V, CAT IV 300V and they are the ideal solution for measurements to be carried out both in domestic and in industrial environments.



Functions

- 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 31mm (bars 48x31mm)
- Serial interface RS-232 for connection to devices of **MacrotestG series (only T2100)**



Main features

Power supply:	batteries type AA 4x1.5V
Memory:	99 locations
Display:	LCD 4-digit display + decimal point, backlight
Pollution level:	2
Safety:	IEC/EN61010-1, IEC/EN61010-2-032
Measurement category:	CAT III 600V, CAT IV 300V to earth
Size (LxWxH):	293x105x54mm
Weight (batteries included):	1120g



Technical Specifications

Resistance measurement

- Measuring range Ω : 0.010 ÷ 1200
- Resolution Ω : 0.001 ÷ 1
- Basic accuracy Ω : $\pm (1.5\% \text{reading} + 0.01)$

TRMS current measurement (**only T2000**)

- Measuring range: 0.00mA ÷ 20A
- Resolution: 0.01mA ÷ 0.01A
- Basic accuracy: $\pm (2.5\% \text{reading} + 1 \text{mA})$



Included accessories

	Resistive test loop (1 Ω , 5 Ω , 10 Ω)
	Batteries
	User Manual
	ISO9000 calibration certificate
C2100	Connection cable Hypertac / Jack 3,5mm RS-232 (only T2100)
	Rigid Carrying case

