

Medidor de resistencia de tierra y resistividad

GEOTEST HT2016

Características



Es un instrumento portátil para la medición de la resistividad del terreno (ρ), y de la resistencia de tierra con el sistema de 4, 3 y 2 terminales

Características técnicas:

- Visualizador LCD con indicación de 3½ dígitos.
- Escalas: 0,1÷125,6k Ω m; 0,01÷1999 Ω .
- Cambio de escala automático.
- Resolución mínima 0,01 Ω m en resistividad, 0,01 Ω en resistencia de tierra.
- Visualización directa del valor " ρ " indicando la distancia entre picas.
- Alimentación a pilas.
- Indicación del estado de las pilas.
- Precisión: $\pm 2\%$ + 2 dígitos.
- CAT III, grado de polución 2.
- Capacidad de la memoria aprox. 1000 posiciones.
- Salida RS232 para impresora y PC.
- Certificado de calibración.
- Autoapagado

GEOTEST2016

Metel: HV002016

EARTH RESISTANCE MEASUREMENT

Range R _E (Ω)	Resolution (Ω)	Accuracy
0.01 – 19.99	0.01	± (2%Lettura + 3 dgt)
20.0 – 199.9	0.1	
200 - 1999	1	

Test frequency 125Hz / 75Hz/ 41.66Hz ± 1Hz
 Test current ≤10mA
 Open circuit voltage ≤80V
 Test voltage waveform Sine

EARTH RESISTIVITY MEASUREMENT

Range ρ (kΩm)	Resolution (kΩm)	Accuracy
0.6-125.6 Ωm	0.1 Ωm	± (2%Lettura + 3 dgt)
0.125 – 1.256	0.001	
1.25-19.99	0.01	
20.0 – 199.9	0.1	

Test frequency 125Hz / 75Hz/ 41.66Hz ± 1Hz
 Test current ≤10mA
 Open circuit voltage ≤80V
 Test voltage waveform Sine

NOISE VOLTAGE MEASUREMENT

Range (V)	Resolution (V)	Accuracy
500	1	± (2%Reading + 2 dgt)

SAFETY STANDARDS

The instrument complies EN 61010 e EN 61557-1,
 EN 61557-5
 Insulation class 2, double insulation
 Pollution level 2
 Inside use; max height 2000m
 Overvoltage category CAT III 300V

MECHANICAL FEATURES

Dimensions 222(L)x162(La)x57(H)mm
 Weight (batteries include) about 1000g

POWER SUPPLY

Battery type 6 batteries 1.5-LR6-AA-AM3-MN 1500
 Battery life about 300 tests

DISPLAY

Digits 3 ½

MEMORY

999 tests
 During the substitution of the batteries the instrument keep to the memory results for 5 minutes.

ENVIRONMENTAL CONDITIONS

Reference temperature 23° ± 5°C
 Operating temperature -5°C ÷ 50°C
 Allowed relative temperature < 80%
 Storage temperature -10 ÷ 60°C
 Storage humidity < 70%

STANDARDS

CEI 64-8 612.6.2 resistenza di terra

EMC

This instrument was designed in compliance with the EMC standards in force and its compatibility was tested relating to:

EN 55011	Radiated emission
EN 50140, EN 61000	Immunity
EN 61000-4-2	electrostatic discharges
EN 50140	R.F. fields
EN 61000-4-4	Fast transient

This instrument was designed in compliance with the 72/23/CEE, CEM 89/336/CEE, and the 93/68/CEE.

NOTE ABOUT ACCURACY

Accuracy is indicated as [% reding + digit number]. It refers to the following atmospheric conditions: temperature 23°C ± 5°C with a relative humidity of <75%.

