

TES

Reliable in Quality

PROVA 5600 Clamp-on Ground Tester TES-1700 Earth Resistance Tester (Spike type)

Critical "Earth Ground Resistance Test" for tele-communication system, Wiring Safety and Electricity Supply.

*Earth Ground
Resistance*



CE

TES-1700 Digital Earth Tester

FEATURES :

- Capable of measuring earth voltage.
- 2mA / 820Hz measuring current permits earth resistance tests without tripping earth leakage current breakers in the circuit under test.
- Automatic warning when resistance of auxiliary earth, Spikes is in excess of tolerance.

General Specification :

Safety Standard : IEC1010-1 overvoltage category III , IEC 61557

Display : 3 3/4 digit liquid crystal display with a maximum reading of 3999.

Insulation Resistance : More than 5MΩ between the circuit and the housing case when measured with 500V_{DC}

Withstand Voltage : 3700CV AC for 1 minute between the circuit and the housing case.

Timer (Auto power off) : about 3 minutes.

Dimensions : 190(L) X 140(W) X 77(H)mm

Weight : Approx. 800 (with battery)

Power Source : Eight 1.5V 01t AA Size Battery.

Accessories : Test leads → 1 Set , Auxiliary earth spikes → 2 Pieces ,
Neck strap → 1 Piece , Batteries, AA, R - 6P or equivalent → 8 Piece

Specifications:

Measuring Range and Accuracy (at 23°C and 45-75%RH)

Function	Measuring range	Accuracy	Overload Protection	Current Consumption
Earth Voltage	0~399.9V (50Hz, 60Hz)	± (1%rdg+4dgt)	400Vrms / 1 minute	22mA
Earth Resistance	0 ~ 39.99Ω	± (2%rdg+0.2Ω)	250Vrms / 10 seconds	56mA
	0 ~ 399.9Ω	± (2%rdg+3dgt)		
	0 ~ 399.9Ω			

PROVA 5600 Clamp-on Ground Tester

FEATURES :

- Non-Contact Ground Resistance Measurement
- 0.025-1500Ω
- Leakage Current (0.200mA~10.00A)

- No Auxiliary Electrode Needed
- Ground Wire Ø 23mm/0.9"

General Specification :

Jaw Opening : 23mm(0.9")

Power Consumption : 40mA

Operating Humidity : Less than 80% RH

Weight : 640g(1.4lbs)

Power Source : 9V Battery

Operating Temperature : 0°C to 40°C

Dimension : 258mm(L)x100mm(W)x47mm(H)

: 10.2"(L)x4"(W)x1.9"(H)

Accessories : Rugged Carrying Case, Calibration Board, Manuals
& 9V Battery.

Electrical Specification (23°C ±5°C)

Ground Resistance (Autorange):

Range	Resolution	Accuracy of Reading ¹
0.025~0.250Ω	0.002Ω	±1.5% ±0.05Ω
0.025~9.999Ω	0.02Ω	±1.5% ±0.1Ω
10.00~99.99Ω	0.04Ω	±2.0% ±0.3Ω
100.0~199.9Ω	0.4Ω	±3.0% ±1.0Ω
200.0~400.0Ω	2Ω	±5.0% ±5Ω
400.0~600.0Ω	5Ω	±1.0% ±10Ω
600.0~1500Ω	20Ω	±2.0% (Approx.)

Ground/Leakage Current

(Autorange, 50/60 Hz, True RMS, Crest Factor < 3.0)

Range	Resolution	Accuracy of Reading ¹
0.200~1.000 mA	0.001mA	±2.5% ±0.05mA
1.00~10.00mA	0.01mA	±2.5% ±0.05mA
10.0~100.0mA	0.1mA	±2.0% ±0.3mA
100~1000mA	1mA	±2.0% ±3mA
0.20~10.00A	0.01A	±2.0% ±0.03A

Continuity Beep if resistance < 40.00 Ω (Approximately)



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