

Digital Earth Tester

MODEL TES-1605

- Capable of measuring earth voltage.
- Data hold function.
- Auto power off function:
The timer operates automatically about 3 minutes when the " Test Button Switch " are pressed to keep the tester power on.
- 2mA measuring current permits earth resistance tests without tripping earth leakage current breakers in the circuit under test.
- In addition to the facility for precision measurement, test leads or simplified two wire measuring system also supplied as standard accessories.
- Automatic warning when resistance of auxiliary earth spike is in excess of tolerance.
- Designed to meet IEC1010-1 safety standard.
- Zero ohm adjustment.



TES-1605

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

Function	Measuring range	Accuracy	Overload Protection
Earth Voltage	0 ~ 199.9V (50Hz, 60Hz)	+/- (1%rdg+4dgts)	300Vrms / 1 minute
Earth Resistance	0 ~ 19.99Ω	+/- (2%rdg+0.2Ω)	200Vrms / 10 seconds
	0 ~ 199.9Ω	+/- (2%rdg+3dgts)	
	0 ~ 1999Ω		

Current Consumption (typical Value with battery voltage of 9V)

Range	ON
20Ω/ 200Ω/2000Ω	35mA
Earth V	18mA

General Specification:

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

Display : 3 1/2 digit liquid crystal display with a maximum reading of 1999.

Insulation Resistance : More than 5MΩ between the circuit and the housing case when measured with 300VDC

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

Timer (Auto power off) : about 3 minutes.

Dimensions : 165(L) x 100(W) x 57(H)mm

Weight : Approx. 500g (with battery).

Power Source : DC 9V (6;1.5V size "AA" battery or equivalent).

Over range Indication : " 1 - - - " will be shown on the LCD panel when out of range measurement is made.

Operating Temperature and Humidity : 0°C to 40°C (32°F to 104°F) , below 80% RH.

Storage Temperature : -10°C to 60°C (14°F to 140°F)

Accessories : Test leads Auxiliary--> 1 Set , Auxiliary earth spikes--> 2 Pcs , Batteries, AA, R - 6P or equivalent--> 6 Pcs , Carrying case --> 1 Pcs.