

Digital Earth Tester

MODEL: TES-1700



#135-TES-1700

Features

- To ensure the satisfactory earth installation for electricity supply, wiring safety and communication system
- Earth voltage 0-400V (50Hz / 60Hz)
- Earth Resistance 0-40 Ω , 0-400 Ω & 0-4000 Ω
- 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 for simplified two wire measuring system also supplied as standard accessories. (unit can be hung from the neck for simplified measurement).
- Automatic warning when resistance of auxiliary earth Spikes is in excess of tolerance
- Designed to meet IEC1010-1 safety standard.

Specifications

Measuring Range and Accuracy: (at 23°C ±5°C and 45 ~ 75% RH)

Function	Measuring range	Accuracy	Overload Protection
Earth Voltage	0- 399.9V (50Hz, 60Hz)	±(1% rdg + 4 dgt)	300V AC for 1 minute
Earth Resistance	0- 39.99 Ω	±(2% rdg + 0.1 Ω)	200V AC for 10 seconds
	0- 399.9 Ω	±(2% rdg + 3 dgt)	
	0- 3999 Ω		

GENERAL SPECIFICATIONS

Safety Standard: IEC 1010-1 overvoltage category III, IEC 61557

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

Insulation Resistance: More than 5M Ω between the circuit and 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: 200(L) x 140(W) x 95(H)mm

Weight: Approx. 900g (with battery)

Power Source: Eight 1.5V 01 t AA Size Battery

Over range Indication: "OL" will be shown on the LCD Panel when out of range measurement is made

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

and Humidity:

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

Accessories: Tests leads Auxiliary- 1 Set, Auxiliary earth spikes, Neck strap, Batteries, AA, R - 6p or equivalent

Current Consumption (Typical Value with battery voltage of 12V)

	Standby	ON
Earth resistance normal simplified	20mA	42mA at 3900 Ω on 4000 Ω Range
Earth Voltage		20mA