

TES-1605

Digital Earth Tester



Product Features

- Capable of measuring earth voltage.
- Data hold function.
- Auto power off function:
- The timer operates automatically about 10 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.
- Automatic warning when resistance of auxiliary earth spike is in excess of tolerance.
- Designed to meet EN 61010-1/ / EN 61557 safety standard.
- Zero ohm adjustment

ELECTRICAL 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)	$\pm(1\%rdg + 4dgts)$	300Vrms / 1 minute
Earth Resistance	0 ~19.99 Ω	$\pm(2\%rdg + 0.1\Omega)$	200Vrms / 10 seconds
	0 ~ 199.9 Ω	$\pm(2\%rdg+3dgts)$	
	0 ~ 1999 Ω		

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

Range	ON
20 Ω / 200 Ω /2000 Ω	42mA
Earth V	22mA

General Specification:

Safety Standard : EN 61010-1 overvoltage category III, EN 61557.

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

Insulation Resistance : More than $5M\Omega$ between the circuit and the housing case when measured with $300V_{DC}$.

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

Timer (Auto power off) : about 10 minutes.

Dimensions : 165(L) × 100(W) × 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 1 set, Auxiliary earth spikes 2 pcs, Battery 6 pcs, Carrying case, Manual.