

TES-1605 Digital Earth Tester



FEATURES

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.

Automatic warning when resistance of auxiliary earth spike is in excess of tolerance.

Designed to meet IEC1010-1 safety standard.

Zero ohm adjustment.



SPECIFICATION

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 ~ 19.99 Ω	+/- (2%rdg+0.2 Ω)	200Vrms / 10 seconds
	0 ~ 199.9 Ω	+/- (2%rdg+3dgts)	
	0 ~ 1999 Ω		

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

Range	ON
20 Ω / 200 Ω /2000 Ω	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 5M W 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 , Carring case --> 1 Pcs.