

# 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

<b>Safety Standard</b>	IEC1010-1 overvoltage category III , IEC 61557
<b>Display</b>	3 1/2 digit liquid crystal display with a maximum reading of 1999.
<b>Insulation Resistance</b>	More than 5M W between the circuit and the housing case when measured with 300VDC
<b>Withstand Voltage</b>	3700CV AC for 1 minute between the circuit and the housing case.
<b>Timer (Auto power off)</b>	about 3 minutes.
<b>Dimensions</b>	165(L) x 100(W) x 57(H)mm

<b>Weight</b>	Approx. 500g (with battery).
<b>Power Source</b>	DC 9V (6' 1.5V size "AA" battery or equivalent).
<b>Over range Indication</b>	" 1- - - " will be shown on the LCD panel when out of range measurement is made.
<b>Operating Temperature and Humidity</b>	0 °C to 40 °C (32 °F to 104 °F) , below 80% RH.
<b>Storage Temperature</b>	-10 °C to 60 °C (14 °F to 140 °F )
<b>Accessories</b>	Test leads Auxiliary--> 1 Set , Auxiliary earth spikes--> 2 Pcs Batteries, AA, R - 6P or equivalent--> 6 Pcs , Carring case --> 1 Pcs.