

TES-1700 Digital Earth Tester



FEATURES

Capable of measuring earth voltage.

Data hold , MAX / MIN 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.



SPECIFICATION

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

Function	Measuring range	Accuracy	Overload Protection
Earth Voltage	0 ~ 399.9V (50Hz, 60Hz)	+/- (1%rdg+4dgts)	400Vrms / 1 minute
Earth Resistance	0 ~ 39.99Ω	+/- (2%rdg+0.2Ω)	250Vrms / 10 seconds
	0 ~ 399.9Ω	+/- (2%rdg+3dgts)	
	0 ~ 3999Ω		

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

Range	ON
40 W / 400 W /4000 W	42mA
Earth V	22mA

General Specification

Safety Standard	IEC1010-1 overvoltage category III , IEC 61557
Display	3 3/4 digit liquid crystal display with a maximum reading of 3999.
Insulation Resistance	More than 5M W between the circuit and the housing case when measured with 500VDC
Withstand Voltage	3700CV AC for 1 minute between the circuit and the housing case.

Timer (Auto power off)	about 3 minutes.
Dimensions	190(L) x 140(W) x 77(H)mm
Weight	Approx. 800 (with battery)
Power Source	Eight 1.5V 01t AA Size Battery.
Over range Indication	" OL " will be shown on the LCD Penal when out of range measurement is made.
Operating Temperature and Humidity	0 °C to 40 °C (32 ℉ to 104 ℉) , below 80% RH
Storage Temperature	-10 °C to 60 °C (14 ℉ to 140 ℉)
Accessories	Test leads Auxiliary--> 1 Set , Auxiliary earth spikes--> 2 Pieces, Neck strap--> 1Piece, Batteries, AA, R - 6P or equivalent--> 8 Piece