

Data Sheet

IET 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.

SPECIFICATIONS

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

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

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

Range	ON
40 Ω / 400 Ω /4000 Ω	58mA
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.
Timer (Auto power off)	about 3 minutes.
Dimensions	190x140x77mm
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 to 40°C (32 to 104°F) , below 80% RH
Storage Temperature	-10 to 60°C (14 to 140°F)
Accessories	Test leads 1 set, Auxiliary earth spikes 4 piece, Battery 8 piece, Carrying case, Neck strap, Manual.

