

AECT 12

Smart Earth Clamp Tester

AECT 12 Clamp Earth Resistance Tester is widely used in the grounding resistance measurement of the Utilities (Generation, Transmission, Distribution), Telecommunications, Meteorology, the industrial and electrical equipment, etc. In the measurement of a grounding system with loop, it does not require breaking down the grounding down lead, and there is no need of the auxiliary grounding electrode. It is safe, fast and simple in use. It can be used in applications where traditional methods cannot be measured, because the AECT 12 clamp grounding resistance meter measures the combined value of grounding body resistance and grounding lead resistance.

Features

- No need of auxiliary electrodes for measurement of earth resistance in grounding system with loop
- Wide earth resistance measurement upto 1500Ω
- Internal data logging upto 99 readings
- Wide jaw size of 65x 32 mm
- Alarm function for pass/fail test with sound and light indication

Applications

- Measuring earth resistance of multiple Earth pits (Mesh/Grid Connected)
- Measuring Earth bonding resistance
- Finding the earth fault such as discontinuation or loose contact of earthing strips or cables
- Telecom tower grounding measurement



Technical Specifications

Mode	Range	Resolution	Accuracy
Resistance	0.010Ω-0.099Ω	0.001Ω	± (1%+0.1Ω)
	0.10Ω-0.99Ω	0.01Ω	± (1%+0.1Ω)
	1.0Ω-49.9Ω	0.1Ω	± (1%+0.5Ω)
	50.0Ω-99.5Ω	0.5Ω	± (1.5%+0.5Ω)
	100Ω-199Ω	1Ω	± (2%+1Ω)
	200Ω-395Ω	5Ω	± (5%+5Ω)
	400-590Ω	10Ω	± (10%+10Ω)
	600Ω-880Ω	20Ω	± (20%+20Ω)
	900Ω-1500Ω	30Ω	± (25%+30Ω)

General Specifications

Data Storage	99 readings
Audio - light alarm	"beep--beep--beep --" alarm sound. Press "AL" key to turn on and off
Alarm Critical Value Setting Range	Resistance:1-199Ω
Power	6VDC (4 PCS alkaline dry battery)
Working Temp	-20℃-55℃ ; 10% RH-90% RH
LCD Screen	4-bit LCD digital display, 47mm(L) × 28.5mm(W)
Jaw Size(mm)	Long-jaw 65mmX32mm
Open Size of Jaw(mm)	Long clamp 32mm
Weight	Long jaw 1100 g (including battery)
Meter Size	Long jaw:285mm(L)x85mm(W)x56 mm(H)
Protection Level	Double insulation, CAT III 150V, CE
Structure	Clamp CT
Shift	Automatic shift
External Magnetic Electric field	<40A/m; <1V/m
Single Measurement Time	0.5 s
Resistance Measurement Frequency	>1KHz
Measured Current Frequency	50/60hz automatically
Standard Accessories	Standard loop, Instruction manual, Aluminium case

Marketed by:

RISHABH INSTRUMENTS LTD.

Domestic (India): +91 253 2202028/99 | marketing@rishabh.co.in
International: +91 253 2202004/06/08/99 | global@rishabh.co.in
www.rishabh.co.in