

# Digital Earth Clamp Tester

## DECT-2



- Long jaw size: 65mm x 32mm Ø
- The unique long jaw is particularly suitable where grounding is done by flat steel or copper strips.
- Range: 0.01Ω to 1200Ω
- Resistance measurement resolution 0.001Ω
- Memory Storage capability of 99 records
- Alarm setting feature with selection range available from 1Ω to 199Ω
- Display 4 digits LCD, 47x28.5mm in length
- Double insulation level and also protected from External magnetic field as well as electric field.
- Automatic range selection, Automatic self calibration
- Automatic self calibration
- Single measuring time: 0.5 second.
- Improved Jaw Opening & Closing
- Soft touch keys

## General Specifications :

Display	4 digit LCD , 47 mm X 28.5 mm
Resistance Measurement Range	0.01Ω to 1200Ω
Memory Storage Facility	99 records
Single Measurement Time	0.5 Second
Resistance Measurement Frequency	> 1 KHz
Sound & Light annunciator	Beep sound, Flashing $\Rightarrow$ symbol, 'AL' key to turn on-off & setting the sound & Light alarm
Selection range of resistance for setting alarm value	1Ω – 199Ω
Protection Level	Double Insulation
External Magnetic Field	< 40 A/m
External Electric Field	< 1V/m
Power Source	6VDC (4x1.5 V AA alkaline battery)
Auto Power Off	approx 5 minutes
Environmental	Working Temperature:-10°C to 55°C Relative Humidity : 10% to 90%
Jaw Size	65mm X 32mm
Dimension (L x B x H)	285mm x 85mm x 56mm
Net Weight (Including Batteries)	1160 gms

## Technical Specifications :

Mode	Range	Resolution	Accuracy
Resistance	0.010-0.099 Ω	0.001 Ω	±(1% + 0.01Ω)
	0.10-0.99 Ω	0.01 Ω	±(1% + 0.01Ω)
	1.0-49.9 Ω	0.1 Ω	±(1% + 0.1Ω)
	50.0-99.5 Ω	0.5 Ω	±(1.5% + 0.5Ω)
	100-199 Ω	1 Ω	±(2% + 1Ω)
	200-395 Ω	5 Ω	±(5% + 1Ω)
	400-590 Ω	10 Ω	±(10% + 10Ω)
	600-880 Ω	20 Ω	±(20% + 20Ω)
	900-1200 Ω	30 Ω	±(25% + 30Ω)

## Applications :

- Measures Earth Resistance of the electrical ground rod and grid.
- Used to test the quality of the grounding without disconnecting the ground rod under test.
- Conduct field surveys fast and effectively and retrieves and analyzes the readings for later reference.
- Used to test the telecommunication Tower's grounding.
- Used in finding the earth fault such as discontinuation or loose contact of earthing strips or cables.
- To find the resistance of earth pit.

## Standard Accessories:

- Carrying Case
- Standard Loop Resistance of 5.1Ω
- Instruction Manual
- Calibration Certificate



**NOTES** 1.The Instrument is accompanied with Test & calibration sheet. 2. Test facilities can be provided at the factory with the available test set-ups only. 3.The Company's policy is continuous improvement of its product, we therefore reserve the Right of any deviation from illustration or specifications without notices. 4. Accuracy Specified for temperature range of 25°C ± 5°C & 55%RH ± 10%