

All New &
Fully Intelligent
Earth Tester



EMPOWERING
MEASUREMENT



DECT-3

Digital Earth Clamp Tester
With Leakage Current Measurement

An ISO 9001:2000 Certified Company
Visit us at : www.motwane.com

Features :

- ⊙ RS 232 Interface for monitoring, uploading, analyzing & printing of data
- ⊙ Memory Storage capability of 99 records
- ⊙ Extended resistance range upto 1200Ω
- ⊙ AC Leakage current measurement up to 20A
- ⊙ Alarm setting feature with selection range available for resistance and current
- ⊙ Improved Jaw Opening & Closing
- ⊙ Fast self test & Calibration
- ⊙ Soft touch keys
- ⊙ Rugged casing and easy to use

General Specifications :

Display	4 digit LCD , 47 mm X 28.5 mm
Resistance Measurement Range	0.01Ω to 1200Ω
Current Measurement Range	0 to 20 A
Memory Storage Facility	99 records
Computer Interfacing	RS 232 for uploading the stored data and analysing at later time
Single Measurement Time	0.5 Second
Resistance Measurement Frequency	> 1 KHz
Current measurement Frequency	50 / 60 Hz
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
Selection range of current for setting alarm value	1mA - 499 mA
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: 0°C to 50°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	±(2% + 0.5Ω)
	100-199 Ω	1 Ω	±(3% + 1Ω)
	200-395 Ω	5 Ω	±(6% + 5Ω)
	400-590 Ω	10 Ω	±(10% + 10Ω)
	600-880 Ω	20 Ω	±(20% + 20Ω)
	900-1200 Ω	30 Ω	±(25% + 30Ω)
Current	0-9 mA	0.1 mA	±(2.5% + 1mA)
	10-99 mA	1 mA	±(2.5% + 5mA)
	100-299 mA	1 mA	±(2.5% + 10mA)
	0.30-2.99 A	10 mA	±(2.5% + 0.1A)
	3.0-9.9 A	0.1 A	±(2.5% + 0.3A)
	10.0-20.0 A	0.1 A	±(2.5% + 0.5A)

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%

Applications :

- Measures Earth Resistance of the electrical ground rod and grid.
- Measures AC leakage current of transformer neutral.
- 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
- RS 232 Cable
- PC Software CD
- Calibration Certificate

