

## METAL BODY

**Nippen Portable Earth Resistance Tester are used for measuring of earth resistance and soil resistivity .**

**The compact design allows the use in industrial as well as household applications.**

**Four terminal measurement system avoids error due to spike and testing wires resistance.**

**Model SET/DET provide direct reading of resistance on the linear scale .**

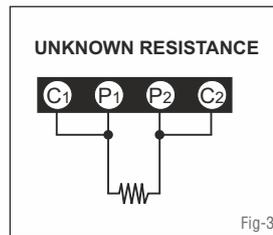
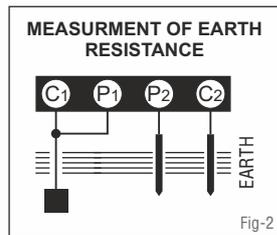
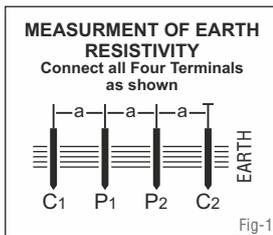
### Product Feature

- Confirms to IS 9223-1989
- Sintered anti-friction bearing provide smooth and maintenance free operation.
- Self contained instrument powered by built in hand operated generator
- Four terminals (Spike) method is incorporated for measuring resistivity of soil
- Direct reading of earth resistance in Ohms
- Rugged and sturdy instruments suitable for field application
- 70mm Logarithmic scale

## Specifications

|   |   |
|---|---|
| Accuracy  | ±5 of Full Scale  |
| Terminals   | 4mm screw type.   |
| Power Source  | Models SET/ DET are provided with hand operated AC generator having delrin moulded gears, self lubricating sintered bearings, stainless steel collapsible handle with handle knob and housed in polycarbonate casing. |
| IS Standard   | Models SET/ DET confirming to IS-9223 of 1989   |
| Dimesions (approx.)                                     | 168x109x103mm (approx) for SET/ DET   |
| Weight (approx.)  | 1.8 Kgs. For SET/ DET   |
| Standard Accessories (Supplied with instrument)         | Instruction Manual, Test Certificate, Carrying Case   |
| Optinal Accessories (Supplied optional at extra charge) | Testing Kit Consisting of<br>1 Hammer, 4 Spikes, 1 screw driver,<br>5 bundle of wires with 15 feet length each  |
| Scale length  | 70 mm Approx  |
| Dielectric test   | withstand 2kV AC(rms)   |
| Insulation Resistance                                   | >50 Mohms At 500V DC  |

## Connection Diagram



## Ordering Information

| Model No   | Range        |
|------------|--------------|
| SET 3      | 0-3Ω         |
| SET 10     | 0-10Ω        |
| SET 50     | 0-50Ω        |
| SET 100    | 0-100Ω       |
| SET 500    | 0-500Ω       |
| DET 3-30   | 0-3/ 0-30Ω   |
| DET 10-100 | 0-10/ 0-100Ω |
| DET 50-500 | 0-50/ 0-500Ω |