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## 8986 UNITEST TELARIS® Earth Resistance Tester

### Key Functions

- Earth resistance measurement
- Specific earth resistance measurement

### General Information

- The integrated constant current measurement principle allows the application in sandy as well in rocky environments
- Monitoring and display of auxiliary earth and probe resistances
- Displays of the actual test current
- Automatic and manual and frequency selection for noise reduction
- Test voltage pre-selection
- Clear and large LCD providing the user with an optimum visual indication of both test values and limits
- Auto power off

### Special Features

- Earth resistance measurement 2/3 and 4-pole
- Specific earth resistance measurement in compliance with the Wenner principle

### Technical data

|                             |  |
|-----------------------------|--|
| Display                     | 3 digit; LCD; 1999 Digits                                  |
| Meas. principle             | Current-voltage measurement                                |
| Meas. range / Resolution    | 0.05...19.99 Ω / 0.01 Ω                                    |
| Earth resistance            | 20...199.9 Ω / 0.1 Ω                                       |
|                             | 200...1999 Ω / 1 Ω   |
| Tolerance                   | ±(4% rdg.+2 Digits / 0.1Ω)                                 |
| Probe/aux. resistance       | 0.1...50 kΩ / 0.1 kΩ                                       |
| Tolerance                   | ±(10% rdg.+3Digits)  |
| Test current display        | 0.1...13 mA / 0.1 mA                                       |
| Tolerance                   | ±(10% rdg.+3 Digits)                                       |
| Max. test current           | approx. 12 mA  |
| Test voltage                | max. 25V/50V AC  |
| selectable Frequency        | 127 Hz / 140 Hz  |
| selectable Protection class | II (double insulated)                                      |
| Safety complying with       | IEC61010/EN61010/DINVDE0411<br>IEC61557/EN61557/DINVDE0413 |
| Measurement category        | CAT III / 300 V  |
| Pollution degree            | 2  |
| Protection degree           | IP 50  |
| Auto-Power-Off              | after approx. 5 min.                                       |
| min. Power supply           | 6 x 1.5 V, IEC LR6   |
| Dimensions                  | 235 x 105 x 70 mm  |
| Weight                      | approx. 640 g  |

### Scope of Supply:

- 1 pc UNITEST TELARIS Earth
- 2 pc Test leads
- 2 pc Crocodile clamps
- 1 pc Protective Holster
- 1 pc Carrying Case
- 6 pc Batteries 1.5V, IEC LR6
- 1 pc Instruction Manual

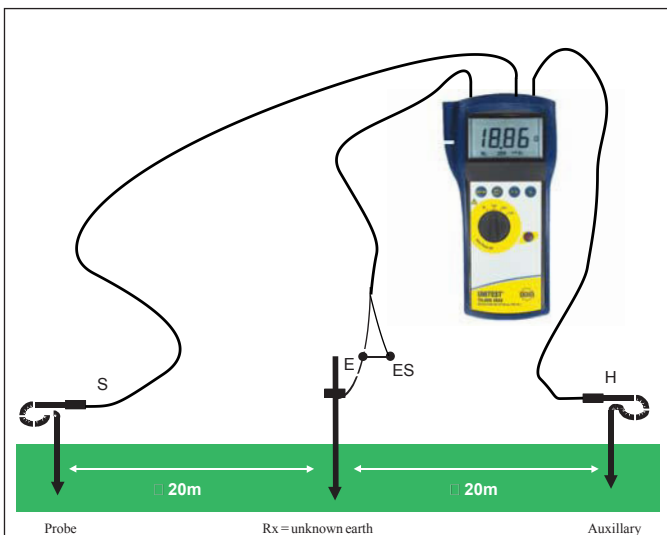
### Accessories:



- Professional Carrying Case Cat. No. 1229
- Earth Accessory-Set Cat. No. 1189

### Order Information:

| Description                | Cat. No. |
|----------------------------|----------|
| UNITEST TELARIS Earth      | 8986     |
| Professional Carrying Case | 1229     |
| Earth Accessory-Set        | 1189     |



### Earth (E):

The ground is a conductor within the earth or a foundation being in conductive connection with the earth (e.g. a foundation ground in concrete).

### Earth probe (ES):

Connector of earth rod next to the earth connector.

### Reference ground:

An area of the earth that is sufficiently distant from the respective ground such that no noticeable voltages, caused by the grounding current, occur at any point within this range.

### Auxiliary earth electrode (H):

Additional earth probe leading the measurement current for measurement purposes.

### Probe (S):

An additional earth probe, preferably an earth rod, which is used as a potential for the reference earth for measurement purposes.

### Spreading resistance of a earth:

The resistance of the earth between earth and reference earth.