

**UNITEST TELARIS® Earth**

**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 preselection
- 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

**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 1.5 V, 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		<b>8986</b>
Professional Carrying Case	<b>1229</b>	
Earth Accessory-Set	<b>1189</b>	



**Technical data**

Display	3 Digit; LCD; 1999 Digits	
Duration of measurement	3 - 5 s	
Measurement principle	Current-Voltage measurement	
Measurement voltage	25/50 V selection	
Current/power consumption	approx. 10 mA/0.1 W max. 500 mA briefly, during measurement	
Measurement current	max. 12 mA	
Frequency (f1/f2)	127 Hz / 140 Hz, selectable	
Measurement method	2 pole / 3 pole / 4 pole	
Earth resistance RE	0.05 - 2.00 Ω	±(4% + 0.1 Ω)
Earth resistance RE	2 - 1999.9 Ω	±(4% + 2 Digit)
Earth resistance RH, RS	0.1 - 50 kΩ	±(10% + 3 Digit)
I M	0.1 - 13 mA	±(10% + 3 Digit)
<b>Nominal use range:</b>		
Correct polarity	for 3/4 pole measurements	
Noise voltage	0...5 V, max. 10% of meas. voltage	
aux. earth (RH), probe res. (RS)	max. 50 kΩ	
Ratio RH/RE	max. 1000/1	
Ratio RS/RE	max. 10000/1	
Earth resistance (RE)	max. 2 kΩ	
<b>Reference range:</b>		
Correct polarity	for 3/4 pole measurements	
Noise voltage	0 V	
aux. earth (RH), probe res. (RS)	max. 2 kΩ	
Auto power off	after approx. 5 min	
Power supply	6 x 1.5 V, IEC LR6 (Mignon/Size AA)	
Low Bat at	6.6 V ± 5% (OFF at 6.1 V ± 5%)	
Battery life	approx. 1 year for normal use	
Dimension (L x W x D)	235 x 105 x 68 mm	
Weight	approx. 640 g (incl. 6 batteries)	
<b>Environmental conditions:</b>		
Temperature range / humidity	0°C...40°C / max. 80% at -10...40°C	
Ref. temperature range	+17°C...27°C	
Storage temperature range	-20°C...+60°C	
Casing	Protection class II	
Built in accordance with	IEC 61557-5, DIN VDE 0413-5	
Overvoltage category	CAT III / 300 V against ground	
Pollution degree	2	
Protection class	II	
Protection degree	IP 50	
Height above MSL	up to 2000 m	