GRT300 4-Wire Earth Ground Resistance Tester

Includes all hardware necessary to measure earth ground in 4 ranges
- 4-wire, 3-wire, and 2-wire testing
- Earth Ground Resistance in 4 ranges
- Automatic Zero adjustment
- Large dual line LCD
- Autoranging
- Automatic I (current) spike check and Automatic P (potential) spike check
- Test Hold function for easy operation
- AC Earth Voltage
- Data Hold and Auto Power Off features
- Over-range and low battery indication
- 2-year warranty
- Complete with color coded test leads and alligator clips, 4 auxiliary earth bars, hard carrying case, and eight 1.5 V AA batteries

SPECIFICATIONS	
Earth Ground Resistance	2 Ω/20 Ω/200 Ω/2000 Ω
Basic Accuracy	±(2% rdg+3 d)
Resolution	0.01 Ω/0.1 Ω/1 Ω/0.01 kΩ
Test Current / Frequency	<2 mA/820 Hz
AC Earth Voltage / Frequency	0 to 300 V AC/40 to 500 Hz
Dimensions/ Weight	9.8x7.8x4.3" (250x190x110 mm)/3.15 lbs (1.4 kg) - batteries included

ORDERING	
GRT300 N	4-Wire Earth Ground Resistance Tester Kit

Color coded test leads with alligator clips and auxiliary earth bars

382252 Earth Ground Resistance Tester Kit

Includes all hardware necessary to measure earth ground in 3 ranges from 20 to 2000 Ω
- Large dual display with backlight and double molded housing
- Test Hold function
- Automatic Zero adjustment
- AC/DC Voltage, Resistance, and Continuity
- Auto Power Off, Over-range and low battery indication
- 2-year warranty
- Complete with test leads, two auxiliary earth bars, carrying case, and six 1.5V AA batteries

SPECIFICATIONS	RANGE	RESOLUTION	BASIC ACCURACY
Earth Ground Resistance	20 Ω/200 Ω/2000 Ω	0.01 Ω/0.1 Ω/1 Ω	±(2% rdg)
Test Current (Freq.)	<2.5 mA (820 Hz)	0.001 mA	±2.5%
AC Earth Voltage (Freq.)	0 to 200 V AC (50 to 400 Hz)		±(3% rdg)
DC Voltage	0 to 1000 V	0.1 V	±(0.8% rdg)
Resistance	0 to 200 kΩ		±(1% rdg)
Continuity	40 Ω		
Category rating	CAT III-1000 V		
Dimensions/ Weight	7.9x3.6x2" (200x92x50 mm)/1.5 lbs (700 g) - meter only		

ORDERING	
382252 N	Earth Ground Resistance Tester Kit
382253	Replacement Earth Bars (2 pk)
382254	Replacement Set of Test Leads

CALIBRATION TRACEABLE TO *NIST*

36   N *Indicates products that are available with optional calibration traceable to* **NIST.** *See pages 146-147 for a complete listing.*

382357 Clamp-On Ground Resistance Tester

Enables non-contact measurements of ground conductors without need for auxiliary ground spikes
- Autoranging ground resistance and True RMS AC Leakage current measurements
- Programmable datalogging with 116 readings
- Programmable Hi/Lo alarm
- 0.9" (23 mm) Jaw size for large ground rods
- Simplifies ground resistance measurements on multiple point ground systems
- Auto power off
- Verification resistors confirm accuracy
- Automatic Self Calibration when powered on
- 9999 Count LCD display with Data Hold
- Electrical Noise Detection feature prevents inaccurate readings
- CAT III-300 V, CAT II-600 V
- 2-year warranty
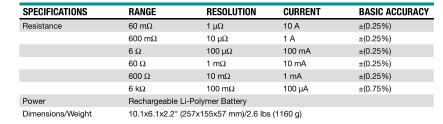- Complete with 9 V battery, Resistance check plate, and durable metal storage case

Verify resistance of cellular and communication tower ground grids

SPECIFICATIONS	RANGE	RESOLUTION	BASIC ACCURACY
Ground Resistance	0.025 to 1500 Ω	0.002 Ω	±1.5%
AC Leakage Current (Trms)	1 mA	0.001 mA	±2.5%
AC Current (Trms)	0.3 mA to 30.00 A	0.01 A	±2.0%
Resistance Test Frequency	3.333 kHz		
Operating Temperature	32 to 122°F (0 to 50°C)		
Dimensions/Weight	10.2x4.4x1.9" (258x110x47 mm)/1.5 lbs (700 g) - meter only		

ORDERING	
382357 **N**	Clamp-On Ground Resistance Tester

UM200 High Resolution Micro-Ohm Meter

Provides resolution down to 1 μΩ using 4-wire Kelvin clip test leads
- 6 ranges with 3 sub-ranges in each current range
- Measurement of resistive and inductive materials
- Auto or Manual ranging
- 5-Digit backlit LCD with high resolution to 1 μΩ
- Built-in comparator for Hi/Lo/Go resistance testing with 20 sets of pre-stored values
- Store/Recall up to 3000 measurements
- 10 A maximum test current
- Cable length measurement (feet or meters)
- USB interface
- 2-year warranty
- Complete with 4-wire cables with Kelvin clip connectors, rechargeable Li-Polymer battery, AC adapter/charger, software and USB cable, and carrying case

SPECIFICATIONS	RANGE	RESOLUTION	CURRENT	BASIC ACCURACY
Resistance	60 mΩ	1 μΩ	10 A	±(0.25%)
	600 mΩ	10 μΩ	1 A	±(0.25%)
	6 Ω	100 μΩ	100 mA	±(0.25%)
	60 Ω	1 mΩ	10 mA	±(0.25%)
	600 Ω	10 mΩ	1 mA	±(0.25%)
	6 kΩ	100 mΩ	100 μA	±(0.75%)
Power	Rechargeable Li-Polymer Battery			
Dimensions/Weight	10.1x6.1x2.2" (257x155x57 mm)/2.6 lbs (1160 g)			

ORDERING	
UM200 **N**	High Resolution Micro-Ohm Meter
UM200-KTL	Replacement Kelvin Clip Test Leads