

Models 3620 & 3640

Performs ground resistance measurement with speed and accuracy



► FEATURES

- Measures ground resistance (2- and 3-Point) Fall-of-Potential method
- Large analog display (Model 3620)
- Large LCD digital display (Model 3640)
- Designed to reject high levels of noise and interference
- Auto-Ranging: automatically selects the optimum range (Model 3640)
- Battery powered
- Extremely simple to operate: connect - press - hold - read
- Error indicator lights
- Rugged dustproof and rainproof case
- Color-coded terminals and lead identification

► SPECIFICATIONS

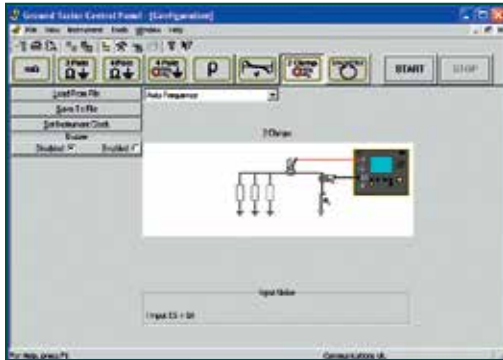
MODELS	3620	3640		
Types of Measurements	2- and 3-Point			
Display	Analog	Digital		
Soil Resistivity Test	No			
Measurement Ranges	0.5 to 1000Ω	20Ω: 0.00 to 19.99Ω	200Ω: 20.0 to 199Ω	2000Ω: 200 to 1999Ω
Resolution	10mΩ	10mΩ	100mΩ	1Ω
Test Current	10mA	10mA	1mA	0.1mA
Open Voltage	≤24V peak		42V peak	
Operating Frequency	128Hz square wave			
Accuracy	5% of Reading ± 0.1% scale length		3% of Reading ± 3cts; 5% of Reading ± 3cts	
Interference	All models reject high levels of interference voltage (DC, 50 to 60Hz, harmonics)			
Power Source	Eight 1.5V AA batteries (included)			
Battery Life	Approx. 1680 15-second measurements		Approx. 1800 15-second measurements	
Low Battery Indication	Yes			
Fuse Protection	High breaking capacity, 0.1A, >250V			



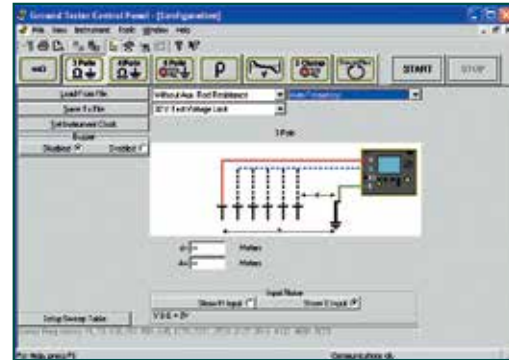
CATALOG NO.	DESCRIPTION
2114.90	Ground Resistance Tester Model 3620 (Analog, 3-Point)
2114.92	Ground Resistance Tester Model 3640 (Digital, 3-Point)
2135.10	Ground Resistance Tester Model 3620 Kit – 150 ft (Model 3620 and Catalog #2135.35)
2135.11	Ground Resistance Tester Model 3620 Kit – 300 ft (Model 3620 and Catalog #2135.36)
2135.13	Ground Resistance Tester Model 3640 Kit – 150 ft (Model 3640 and Catalog #2135.35)
2135.14	Ground Resistance Tester Model 3640 Kit – 300 ft (Model 3640 and Catalog #2135.36)
2130.59	Calibration Checker – 25Ω for Models 3620, 3640, 4620 and 4630

Typical DataView® Functional Displays

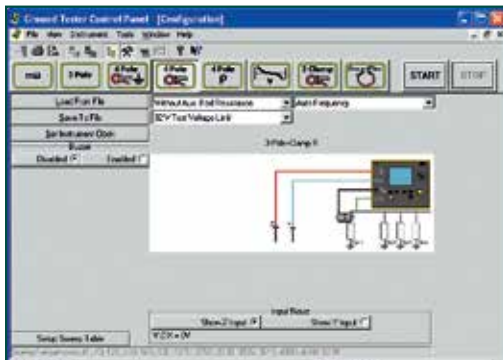
2 Clamp Method Setup



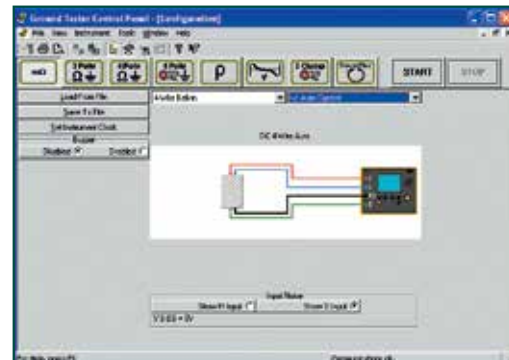
Fall-of-Potential, Step-Touch Potential



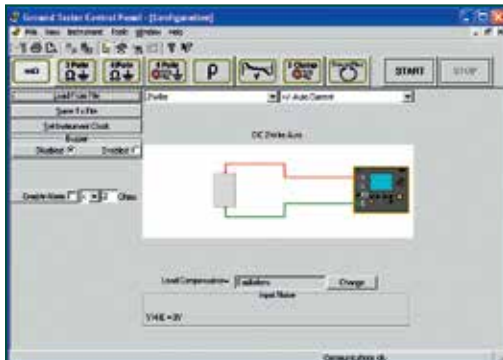
Selective 3-Point Testing of Multiple Rods



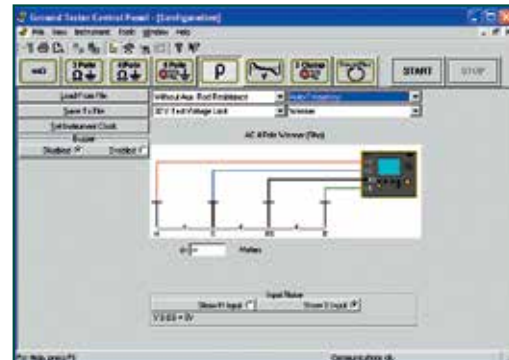
4-Point Bonding For Very Low Resistance



Bonding



Soil Resistivity



OPTIONAL KITS

150 ft Kit

Catalog #2135.35

Test Kit for 3-Point testing includes carrying bag, two 150 ft color-coded leads on spools (red/blue), two 5 ft color-coded leads (red/blue), one 30 ft lead (green), two 14.5" T-shaped auxiliary ground electrodes, one set of five spaded lugs and 100 ft tape measure.



300 ft Kit

Catalog #2135.36

Test Kit for 4-Point testing includes carrying bag, two 300 ft color-coded leads on spools (red/blue), two 5 ft color-coded leads (red/blue), two 100 ft color-coded leads (green and black), four 14.5" T-shaped auxiliary ground electrodes, one set of five spaded lugs and 100 ft tape measure.



500 ft Kit

Catalog #2135.37

Test Kit for 4-Point testing includes carrying bag, two 500 ft color-coded leads on spools (red/blue), two 5 ft color-coded leads (red/blue), two 100 ft color-coded leads (green and black), one 30 ft lead (green), four 14.5" T-shaped auxiliary ground electrodes, one set of five spaded lugs and 100 ft tape measure.

