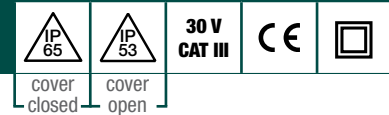


# GROUND RESISTANCE TESTERS

## DIGITAL TESTERS



## MODELS 4620 & 4630

Both models will perform over 2000 measurements for the 15 second tests between recharging or battery replacement



## FEATURES

- Ground Integrity Measurement
- Measures soil resistivity (4-Point)
- Measures ground resistance (2- and 3-Point) Fall-of-Potential method
- Step voltage tests and touch potential measurements
- Auto-Ranging: automatically selects the optimum resistance range and test current
- Designed to reject high levels of noise and interference
- Extremely simple to operate: connect/press/hold/read
- LED on faceplate informs operator of high input noise, high auxiliary rod resistance and faulty connections
- Large easy-to-read backlit display
- Battery powered (Model 4620)
- AC powered with rechargeable NiMH battery pack (Model 4630)
- Rugged dustproof and watertight field case
- Color-coded terminals

MODELS	4620	4630	
<b>ELECTRICAL</b>			
<b>Range</b>	20 Ω	200 Ω	2000 Ω
<b>Measurement Range</b>	(0 to 19.99) Ω	(20 to 199.9) Ω	(200 to 1999) Ω
<b>Resolution</b>	10 mΩ	100 mΩ	1 Ω
<b>Open Voltage</b>	≤ 42 V peak		
<b>Measurement Frequency</b>	128 Hz square wave		
<b>Test Current</b>	10 mA	1 mA	0.1 mA
<b>Accuracy</b>	± 2 % of Reading ± 1 ct		± 5 % of Reading ± 3 cts
<b>Aux Electrode Influence</b>			
<b>Max Res. - Current Circuit</b>	3 kΩ	30 kΩ	50 kΩ
<b>Max Res. - Voltage Circuit</b>	50 kΩ		
<b>Response Time</b>	Approximately four to eight seconds for a stabilized measurement		
<b>Withstanding Voltage</b>	250 V <sub>AC</sub> or 100 V <sub>DC</sub>		
<b>Power Supply</b>	(8) C cell batteries (included); Alkaline recommended	(120 / 230) V, (50 / 60) Hz Rechargeable 9.6 V, 3.5 A-h NiMH battery pack (included)	
<b>Battery Life</b>	> 2000 15 s measurements; LO BAT indication on LCD		
<b>Fuse Protection</b>	0.1 A, > 250 V, (0.25 x 1.25) in; 30 kA Interrupt Capacity		

Consult factory for NIST Calibration prices.

## PRODUCT INCLUDES

(8) C-cell batteries (Model 4620) or rechargeable 9.6 V NiMH battery pack (Model 4630), AC power cord (Model 4630), and user manual.

## ACCESSORIES/REPLACEMENTS

### CAT. #2130.60

Tape Measure (100 ft)

### CAT. #2135.35\*

Test Kit for 3-Point Testing – 150 ft

### CAT. #2135.36\*

Test Kit for 4-Point Testing – 300 ft

### CAT. #2135.37\*

Test Kit for 4-Point Testing – 500 ft

### CAT. #5000.14

AC Power cord (Model 4630)

### CAT. #2135.38

Ground Test Kit for 3-Point Testing (Supplemental for 4-Point testing – includes (2) 100 ft color-coded leads, (1) 30 ft lead (green), (2) 14.5 in T-shaped auxiliary ground electrodes and soft carrying bag)

### CAT. #2130.59

Calibration Checker 25 Ω for Models 3640, 4620 and 4630

## KIT SHOWN

### 4630 KIT (500 ft)

\*Refer to page 85 for Test Kit descriptions



CAT. #	DESCRIPTION
2130.43	Ground Resistance Tester Model 4620 (Digital, 4-Point, Battery Powered)
2130.44	Ground Resistance Tester Model 4630 (Digital, 4-Point, Rechargeable Battery)
2135.19	Ground Resistance Tester Model 4620 Kit – 150 ft (Model 4620 and CAT. #2135.35)
2135.20	Ground Resistance Tester Model 4620 Kit – 300 ft (Model 4620 and CAT. #2135.36)
2135.21	Ground Resistance Tester Model 4620 Kit – 500 ft (Model 4620 and CAT. #2135.37)
2135.22	Ground Resistance Tester Model 4630 Kit – 150 ft (Model 4630 and CAT. #2135.35)
2135.23	Ground Resistance Tester Model 4630 Kit – 300 ft (Model 4630 and CAT. #2135.36)
2135.24	Ground Resistance Tester Model 4630 Kit – 500 ft (Model 4630 and CAT. #2135.37)