

GROUND RESISTANCE TESTERS

Digital Tester

Models 4620 & 4630

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

► SPECIFICATIONS

| MODELS | 4620 | 4630 | |
|---|--|---|----------------------|
| ELECTRICAL | | | |
| Range | 20Ω | 200Ω | 2000Ω |
| Measurement Range | 0.00 to 19.99Ω | 20.0 to 199.9Ω | 200 to 1999Ω |
| Resolution | 10mΩ | 100mΩ | 1Ω |
| Open Voltage | ≤42V peak | ≤42V peak | ≤42V peak |
| Resistance Measurement Frequency | 128Hz square wave | 128Hz square wave | 128Hz square wave |
| Test Current | 10mA | 1mA | 0.1mA |
| Accuracy | 2% of Reading ± 1ct | 2% of Reading ± 1ct | 5% of Reading ± 3cts |
| Auxiliary Electrode Influence Max Res. in Current Circuit Max Res. in Voltage Circuit | 3kΩ 50kΩ | 30kΩ 50kΩ | 50kΩ 50kΩ |
| Response Time | Approximately four to eight seconds for a stabilized measurement | | |
| Withstanding Voltage | 250Vac or 100Vdc | | |
| Power Source | Eight C cell batteries (included); Alkaline recommended | 120/230V 50/60Hz Rechargeable 9.6V, 3.5 Ah NiMH battery pack (included) | |
| Battery Life | >2000 15-second measurements; LO BAT indication on LCD | | |
| Fuse Protection | 0.1A, >250V, 0.25 x 1.25"; 30kA Interrupt Capacity | | |



► FEATURES

- 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 - read
- LED on faceplate informs operator of high input noise, high auxiliary rod resistance and fault connections
- Large easy-to-read backlit display
- Battery powered (Model 4620)
- AC powered with rechargeable NiMH battery pack (Model 4630)
- Rugged dustproof and rainproof field case
- Can also be used for continuity tests on bonding
- Color-coded terminals



Model 4630 Kit – 500 ft shown

Please refer to page 37 for Test Kit descriptions

| CATALOG NO. | 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 Catalog #2135.35) |
| 2135.20 | Ground Resistance Tester Model 4620 Kit – 300 ft (Model 4620 and Catalog #2135.36) |
| 2135.21 | Ground Resistance Tester Model 4620 Kit – 500 ft (Model 4620 and Catalog #2135.37) |
| 2135.22 | Ground Resistance Tester Model 4630 Kit – 150 ft (Model 4630 and Catalog #2135.35) |
| 2135.23 | Ground Resistance Tester Model 4630 Kit – 300 ft (Model 4630 and Catalog #2135.36) |
| 2135.24 | Ground Resistance Tester Model 4630 Kit – 500 ft (Model 4630 and Catalog #2135.37) |
| Accessories (Optional) | |
| 2130.60 | Tape Measure (100 ft) |
| 2135.35 | Test Kit for 3-Point Testing – 150 ft (see page 37 for descriptions) |
| 2135.36 | Test Kit for 4-Point Testing – 300 ft (see page 37 for descriptions) |
| 2135.37 | Test Kit for 4-Point Testing – 500 ft (see page 37 for descriptions) |
| 2135.38 | Ground Test Kit for 3-Point Testing (Supplemental for 4-Point testing – includes two 100 ft color-coded leads, one 30 ft lead (green), two 14.5" T-shaped auxiliary ground electrodes and soft carrying bag) |
| 2130.59 | Calibration Checker – 25Ω for Models 3620, 3640, 4500, 4610, 4620 and 4630 |