

AEMC Ground Resistance Testers

Digital Ground Resistance Tester Models 4620 & 4630



▲ 4630 CE

- Measures soil resistivity (4-Point) method
- Measures ground resistance (2- and 3-Point) Fall-of-Potential method
- Step voltage tests and touch potential measurements
- Auto-Ranging: automatically selects the optimum range
- 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 batteries (Model 4630)
- Rugged dustproof and rainproof field case
- Can also be used for continuity tests on bonding
- Color-coded terminals

Also available as full kits



Clamp-On Ground Resistance Tester Models 3711 & 3731



▲ 3731
US Patent No. 362,639



- Simple and fast clamp-on operation – no leads, no auxiliary rods or spacing requirements
- Direct reading of ground resistance from 0.1Ω to 1200Ω
- Direct reading of continuity and ground loop resistance
- Direct reading of ground leakage or phase current from 1mA to 30Arms
- Jaw design with large 1.25" (32mm) window – accommodates up to 1000MCM cables
- Auto-Off for power management
- Alarm function with adjustable set point and buzzer for quick field checks (Model 3731)
- Memory function to store 99 field measurements for later retrieval and analysis (Model 3731)
- Meets EN 61010-1, Cat. III and CE Mark
- Rugged Lexan® head and body construction resists breakage
- Alarm settings and stored memory information saved during shutdown (Model 3731)
- Patented design

Multi-Function Ground Resistance Tester Models 6470B & 6472

- 2- and 4-Wire Bond Resistance/Continuity measurement
- 3-Point Fall-of-Potential measurement with manual/automatic frequency selection
- 4-Point soil resistivity measurement with automatic calculation of Rho & user selection of Wenner or Schlumberger method
- 3-Point earth coupling measurement
- Frequency scan 40-513Hz for testing in electrically noisy environments
- Selectable test voltage of 16 or 32V up to 250mA of test current
- Automatic recognition of all electrode connections & resistance
- Stores up to 512 complete test results
- Optically isolated USB communication
- Rechargeable NiMH batteries from wall charger or vehicle power
- Rugged dustproof and rainproof field case
- Includes DataView® software for remote operation, data storage, real-time display, analysis, report generation & system configuration

Model 6472 adds:

- Manual and automatic frequency scan to 5078Hz
- Measures Ground Resistance using the 2 clamp method (selective ground testing)
- Measures Ground Impedance up to 5kHz to test lightning strike protection

Tester includes meter, NiMH batteries, optical USB cable, DataView® software, external battery charger, power cord, user manual.

Kit includes Tester, test leads, 30 ft ground lead (green), auxiliary ground electrodes, spaded lugs, 100 ft tape measure, ground tester workbook CD, carrying bag for meter, carrying bag for kit.

6470B ▶



NEW

ORDERING INFORMATION

AE/2130.43 Ground Resistance Tester Model 4620 (4-Point, Digital, Battery Powered)

AE/2130.44 Ground Resistance Tester Model 4630 (4-Point, Digital, Rechargeable Battery)

AE/2130.45 Ground Resistance Tester Model 4620 Kit

AE/2130.46 Ground Resistance Tester Model 4630 Kit

AE/2117.60 Ground Resistance Tester Model 3711 (Clamp-On)

AE/2117.61 Ground Resistance Tester Model 3731 (Clamp-On with memory and alarm)

AE/2135.01 Ground Resistance Tester Model 6470B

AE/2135.02 Ground Resistance Tester Model 6470B 3-point Kit – 150 ft leads

AE/2135.04 Ground Resistance Tester Model 6470B 4-point Kit – 500/100 ft leads

AE/2135.51 Ground Resistance Tester Model 6472

AE/2135.52 Ground Resistance Tester Model 6472 3-point Kit – 150 ft leads

AE/2135.54 Ground Resistance Tester Model 6472 4-point Kit – 500/100 ft leads

AE/2135.71* AC Current Probe Model MN82 for use with Model 6472

AE/2135.72* AC Current Probe Model SR182 for use with Model 6472

*2 probes required for two clamp testing method.