

## 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 6416 & 6417



▲ 6416

CE □

- Ground voltage indication (warns of possible unsafe conditions)
- Large multi-function bright yellow organic LED display (OLED)
- Selectable test frequency improves accuracy in inductive environments
- Large jaw with 35mm clamping diameter
- Storage of up to 300 measurements, Ω & A with time-stamp (Model 6417: up to 2000 measurements stored)
- View stored measurements on the OLED display (also on PC or Android phone via Bluetooth for Model 6417)
- Alarm function with adjustable set point & buzzer for quick field checks of volts, amps and ohms
- Alarm settings and stored memory information saved during shutdown
- Includes DataView® software for data storage, real-time display, analysis, report generation and system configuration (Model 6417)
- Noise icon and buzzer alert user to presence of dangerous voltage and current levels
- Designed to EN 61010-1, 600V CAT IV safety standards

### 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 ▶



## 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/2135.20 Model 4620 Kit with 300/100 ft leads

AE/2135.23 Model 4630 Kit with 300/100 ft leads

AE/2141.01 Ground Resistance Tester Model 6416 (Clamp-On)

AE/2141.02 Ground Resistance Tester Model 6417 (Clamp-On with Bluetooth)

AE/2135.01 Ground Resistance Tester Model 6470B

AE/2135.03 Ground Resistance Tester Model 6470B 4-point Kit – 300/100 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/2135.53 Ground Resistance Tester Model 6472 4-point Kit – 300/100 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.