

AEMC[®] INSTRUMENTS FAMILY of PRODUCTS

Our products are backed by over 125 years of experience in test and measurement equipment and encompass the latest international standards for quality and safety.

Compact, accurate, rugged, and easy-to-use with max voltage up to 1000V for applicable measuring instruments.

GROUND RESISTANCE TESTERS

DataView[®]



- Measure ground resistance from 0.01Ω to 99.99kΩ
- Clamp-on testers
- 2-, 3- and 4 Point Fall-of-Potential testers
- Soil resistivity and step and touch potential testers
- Energized transmission tower testers
- Hand-held and hard case test instruments

MEGOHMMETERS

DataView[®]



- Models offered at 10, 500, 1000, 5000, 10k, and 15kV
- Measure insulation resistance from 0.010MΩ to 30TΩ
- Perform spot, timed, step voltage, and ramp voltage testing
- Accurate, reliable, and built to perform
- Battery, AC powered, and hand-cranked models
- Weather resistant, hand-held and hard case models

DATA LOGGERS

DataView[®]



- Single-, dual-, and four channel loggers for measuring and troubleshooting
- Automatically adjusts scale range & sample rate
- Programmable storage modes and rates
- Dedicated models for: Thermocouple, Event, Humidity, 4 to 20mA, Vdc, AAC and VAC inputs
- Compatible current probes and accessories

AC/DC CURRENT MEASUREMENT PROBES



- Measures up to 30,000Aac and 5000Adc
- Models capable of measuring low μA to kA range
- Variety of configurations with fixed and flexible jaw sizes
- Probe types include Iron Core, Nickel Core, Hall Effect, Flux Gate, and Rogowski Coil
- Measure current without interrupting the circuit
- Extend the measuring capabilities of DMMs, recorders, power meters and loggers

MICRO-OHMMETERS

DataView[®]



- Test from 1mA to 200A
- Perform reliable low and very low electrical resistance tests from 0.10μΩ to 2500Ω
- 2 models with 10A max test current, 1 model with 200A max test current
- Robust circuitry=higher current testing for long periods
- Selectable test ranges; one button access to functions
- Uses a 4-wire Kelvin bridge method

POWER QUALITY ANALYZERS

DataView[®]



- Can test up to 1000V and 10,000A (probe dependent)
- True RMS single-, two- and three-phase current and voltage measurements
- Real-time display allows on-site analysis capability
- Simultaneously record color waveforms, harmonic analysis, transient capture, and True InRush[®] data
- Key measurement functions—one button access
- Automatic probe recognition and scaling

POWER ENERGY LOGGERS

DataView[®]



- Can test up to 1000V and 12,000A (probe dependent)
- Low cost, simple-to-use. Single, split, and three phase
- Monitor and record power, energy, cost, and harmonics
- Functions for power and energy data logging for 50, 60, and 400Hz and DC distribution systems
- Rated 1000V CATIII, 600V CATIV, and 1000V CAT IV
- Automatic recognition of connected current probes and sensors

CLAMP-ON METERS

DataView[®]



- Can test up to 1000VAC/1400VDC and 2000AAC/3000ADC
- Models capable of Power Values and Energy Values
- One-hand operation for measuring AAC, ADC, VAC, Vdc, resistance, continuity, frequency, and TRMS
- High speed, 1ms Peak capture models
- True InRush[®] and True RMS models
- Auto selects AC or DC measurement
- Measure real, reactive, and apparent power

DIGITAL MULTIMETERS

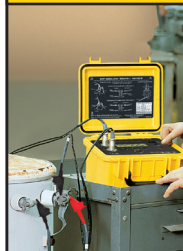
SX-DMM



- Can test up to 1000V and 20A
- Advanced features: *non-contact voltage detection, Bluetooth integration to other recording instruments, and data logging*
- Models from 4000 to 100,000 count displays
- Functions include: VAC, VDC, AAC, ADC, Hz, Resistance, Continuity, Capacitance, Diode Check and Temp.
- Waterproof and ATEX models available

DIGITAL TRANSFORMER RATIO METERS

DataView[®]



- Easy connection and setup; no calibration or balancing
- Measures Power Transformers, VT/PTs, and CTs turns ratios up to 8000:1
- Display Turns Ratio, Winding Polarity, Excitation Current, and % deviation from nameplate values
- Display warnings for incorrect lead connections, reverse polarity, open and short circuits

ENVIRONMENTAL TESTERS

DataView



- Measure: Light, Sound, Temperature/Humidity, Temperature via Thermocouple and Infrared
- Unique mapping feature for light, wind, and air flow measurements to comply with OSHA standards
- Visual CO₂ alarm feature warns of unsafe CO₂ levels
- Wireless communication with AEMC Model 1954 Thermal Imaging Camera

CABLE TESTERS



- Measure cable lengths up to 19,000' (6000m)
- Competitively priced and in-stock
- Reliably identify faults, locate metal conductors, troubleshoot problems, measure cable length, and more on telecommunications, electric, power, and other cables
- Simple push button operation
- Large, backlit display

TEST & LAB INSTRUMENTS



DDS Generator & Frequency Meter

- Handles a direct short w/o damaging the instrument
- Frequency range from 20MH and stable to nearest digit
- DDS technology & frequency accuracy of ± 20 ppm

Resistance Decade Box

- 7 decades covering a range from 1 Ω to 11.11111 M Ω
- 11 position switches
- Accuracy 1% \pm 10 m Ω on all ranges

INFRARED THERMAL IMAGING CAMERAS

CAmReport



- Measures from 4 to 482°F (-20 to 250°C)
- Focus-free capability with 28° x 38° field of view
- Startup and operational in less than 10 seconds
- Displays/captures real/thermal images simultaneously
- Exceptional 13-hour battery life
- Configure emissivity table, cursor and trigger functions
- Record comments onto image w/ included BT headset
- Record and store user configurations

ELECTRICAL TEST TOOLS



Voltage Testers

- Measure up to 1000VAC & 1400Vdc (VAT) and 275kV (HVD)
- Full autotest with type of fault indication
- Automatic standby / Audio and visual continuity

Phase & Motor Rotation Meters

- Identify phase rotation on 3-Phase systems, live and open/de-energized phases
- Measure rotation of motors, conveyors, pumps, and devices interconnected to a power line system

OSCILLOSCOPES



SX-METRO



- Serves as an Oscilloscope, Multimeter, Power and Harmonic Analyzer, and Fast Data Logger
- True channel to channel isolation (two- and four-isolated channel models)
- Simple one button access to all functions
- 40, 60, 100 and 300MHz bandwidths
- 12-bit resolution and 2.5GS/sec acquisition speed
- Hand-held and PC models w/ high storage capacity

DC POWER SUPPLIES



- Single, dual, and triple output modes
- Designed around high efficient toroidal transformers: no fans & low electromagnetic emission
- Continuous duty cycle at full rated output
- 0 to 30Vdc; 0 to 2.5A
- Simultaneous display of voltage and current
- Leader/Follower tracking with quick and easy setup

ACCESSORIES



- The industry's largest selection of current probes and sensors
- Test leads and clips
- Carrying bags and cases
- Ground test electrodes
- Communication cables
- Power cords, fuses, batteries, and adapters

Many models in our Family of Products include FREE DataView® software to configure the instrument, analyze data and generate reports.

TRAINING SEMINARS & WEBINARS



- AEMC offers a variety of comprehensive in-person or virtual training courses:
 - ▶ Ground Resistance Training, Insulation Resistance Testing, and Understanding Power Quality
- Courses are available at various locations throughout the USA and Canada
- Visit our website to view our current seminar schedule or call (800) 343-1391 for assistance
- Private classes are available, email seminars@aemc.com

Some features are model dependent

Your authorized AEMC® Instruments distributor is:

To learn more, contact us or visit our website: www.aemc.com

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