APPLICATIONS: DATA CENTERS

AEMC® INSTRUMENTS
CHAUVIN ARNOUX GROUP

POWER QUALITY AND ENERGY

1 Verify ATS operation and timing, and measure DC offset on inverters
POWERPAD® IV, CLASS A, MODEL 8345

2 Monitor VFDs for harmonic content
POWER & ENERGY LOGGER MODEL PEL 112

3 Verify load balance with current measurements
CLAMP-ON METER MODEL 606

4 Log unbalance, voltage sags, and swells
POWERPAD® III MODEL 8336

GROUNDING AND BONDING

5 Test resistance-to-ground of ground electrodes
GROUND RESISTANCE TESTER MODEL 6472

6 Test grounding grid integrity
MICRO-OHMMETER MODEL 6292

7 Test continuity of grounding components
CONTINUITY TESTER MODEL CA6011

8 Commission ESD Flooring with resistance measurements
ELECTROSTATIC DISCHARGE (ESD) FLOOR TEST KIT

POWER DISTRIBUTION AND SAFETY

9 Test battery intercell connections for low resistance
MICRO-OHMMETER MODEL 6255

10 Perform insulation resistance tests on LV breakers
MEGOHMMETER MODEL 5050

11 Perform infrared scans of electrical components
THERMAL IMAGING IR CAMERA MODEL 1954

12 Check phase rotation
PHASE ROTATION METER MODEL 6610

13 Verify bus plug contact resistance
MICRO-OHMMETER MODEL 6240

Trace data and power cables to find their source or locate breaks
CABLE VERIFICATION & TRACING ANALYZER MODEL 6683

14 Check transformer turns
DTR® MODEL 8511

Check winding resistance
MICRO-OHMMETER MODEL 6240

ENVIRONMENTAL MONITORING AND LOGGING

15 Log temperature and humidity in remote locations
THERMO-HYGROMETER DATA LOGGER MODEL 1246

16 Verify proper HAC airflow
THERMO-ANEMOMETER DATA LOGGER MODEL 1228
COMING SOON!

17 Measure and log lighting intensity for compliance
LIGHTMETER DATA LOGGER MODEL 1110

18 Log thermocouple measurements
THERMOCOUPLE THERMOMETER DATA LOGGER MODEL 1822

Identify hot and cold airflow patterns
THERMAL IMAGING IR CAMERA MODEL 1954

19 Measure CO_2, temperature and humidity to verify air quality
AIR QUALITY LOGGER MODEL 1510

HVAC/chillers

data halls

substation

transformer

admin

UPS/battery

generators

switchgear

AEMC® INSTRUMENTS Technical Assistance (800) 343-1391

www.aemc.com