



Solutions for Electric Motor Reliability

PdMA is in the business of providing electrical reliability solutions. Since 1983, companies all over the world have relied on PdMA for electrical maintenance equipment, training and consultation. Our customers come from a variety of industries including automotive, utility, chemical and manufacturing.

At PdMA, it is our mission to become the unquestioned leader in electric motor reliability. We are dedicated to providing our customers with the highest level of service possible. This commitment is reflected in our products, knowledge and professionalism. We will continue to push the technical envelope, striving to increase our reputation as the innovative leader in our field.

- **Save Money, Time and Manpower**
- **Reduce Unplanned Downtime**
- **Comprehensive, Field Portable and User Friendly Testers**

MCE[™]

EMAX[™]

MCE[™]
MAX

Revolutionizing Electrical Reliability

MCE



EMAX



Portable and comprehensive, the Motor Circuit Evaluator is the most comprehensive static motor testing tool on the market. The MCE thoroughly analyzes the motor and its associated circuit, identifying those electrical faults that may not be detected by more traditional predictive maintenance technologies. Through a series of powerful, yet nondestructive tests, the MCE provides early detection of high resistance connections, insulation degradation, stator faults, rotor defects and air gap eccentricity. The static nature of the unit makes it ideal for condition monitoring during plant shut-downs as well as quality assurance applications.

Like the MCE, the EMAX expertly evaluates motors and their associated circuits. EMAX, is a dynamic tester, collecting data while the motor is operating so that condition monitoring of your equipment can be accomplished without shutting off power or interrupting production. EMAX evaluates three phases of current and voltage simultaneously, providing power quality and efficiency data. It provides early indication of faults in the rotor, stator, air gap and power circuit. Additionally, the equipment detects in-rush start up current and can be used for process analysis, making the EMAX the most complete and accurate dynamic tester in its class.

AC Standard	Estimation Index	Index	Warning	OK
Frequency	1200	1200	1200	1200
Motor Temp	20	20	20	20
Phase 1 to Earth	100000	100000	100000	100000
Phase 2 to Earth	100000	100000	100000	100000
Phase 3 to Earth	100000	100000	100000	100000

MCEMAX



The MCEMAX is a revolutionary tester, combining the capabilities of the MCE and the EMAX into one portable package. By integrating these two technologies, PdMA has created the single most powerful motor testing tool available. Regardless of the size, type or condition of your motors, the MCEMAX provides the flexibility needed to get the job done. Every facet of the motor can be evaluated, from the power quality, power circuit and insulation to the rotor, stator and air gap. Never before has such comprehension and flexibility been available in one tester.



For more information, call (800) 476-6463 or visit our website at www.pdma.com