



ALL-TEST PRO, LLC

ALL-TEST PRO MD III™ COMPLETE MOTOR SYSTEM EVALUATION KIT

The MD III™ combines the power of de-energized Motor Circuit Analysis (MCA) for early winding fault detection and trending with the analytical power of energized Electrical Signature Analysis (ESA) for evaluating the entire motor system – all in a portable, convenient package.

The MD III™ will improve productivity and uptime and significantly increase plant profits.



✓ De-Energized Motor Circuit Analysis for Incoming Inspection, Troubleshooting and Predictive Maintenance

Discover:

- Contamination
- Internal winding faults
- Phase unbalance
- Ground faults (Meg-ohm test) 500 V and 1,000 V
- Rotor problems
- Cable faults and poor connections
- NOTE: New routing feature added

✓ Energized System for Electrical Signature Analysis and Power Analysis

Evaluate, detect and monitor:

- Incoming power
- Stator health
- Rotor health
- Alignment/unbalance
- Mechanical system health including geared, belted, bladed, etc.
- Bearings
- Energy use, transients and sags/swell

✓ ALL-TEST Pro Instruments are:

- Easy to use
- Portable
- Safe
- Non-destructive
- Fast and accurate
- Hand held and light



Easy to use, hand-held instruments bring versatility to your PdM program. Use them both for incoming inspection of new or repaired motors and for troubleshooting motor systems that have quit running.

Contact us today at 860-399-4222 or sales@alltestpro.com for more information, an RFQ or a free online demonstration.

See reverse side for a detailed list of motor system faults that can be detected and trended, plus lists of MD III™ system components and typical applications.

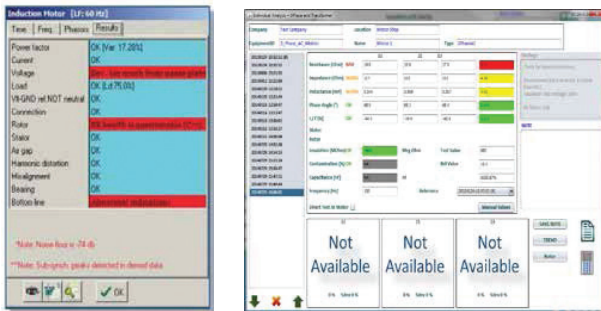
www.alltestpro.com

Improve Your Plant's Productivity and Increase Profits with the MD III™ System

MCA and ESA testing using the MD III™ allows the technician to evaluate the entire motor system including incoming power, electrical and mechanical condition of the motor and mechanical condition of the driven load.

Motor Testing	Power Quality	Controls	Connections	Cables	Stator Elec.	Stator Mech.	Rotor	Air Gap	Insulation	Bearings	Alignment	Load	Drives
De-Energized (MCA)	-	X	X	X	X	X	X	X	X	-	-	-	-
Energized (ESA)	X	X	L	-	L	X	X	X	-	L	X	X	L
MD III™	X	X	X	X	X	X	X	X	X	L	X	X	L

Green (X) indicates that an early fault can be detected and trended for condition-based and predictive maintenance purposes. Yellow (L) indicates a fault can be detected, but not at its earliest stage. While ESA can detect mechanical faults such as bearing failures, we do not suggest that it replace a vibration testing program.



Reliability Testing, Commissioning and Troubleshooting Applications:

- AC/DC Motors: Low, Medium and High Voltage
- Generators
- Machine Tool Motors
- Traction Motors
- Pumps, Fans and other Rotating Equipment
- VFD Applications
- Transformers
- Gearboxes

The MD III™ System Includes:

- ALL-TEST PRO 5™
- ALL-TEST PRO 31™
- ALL-TEST PRO On-Line II™
- Battery chargers (115V or 230V)
- Kelvin test leads
- Probes
- Rugged hard-sided carrying case
- MCA PRO™ software*
- Electrical Signature Analysis (ESA) software**
- Power System Manager (PSM) software
- M2002 Training Motor
- One-year warranty (Optional extended warranty available)

* Software requires Windows 7, 64 bit systems.

** ESA Software requires Microsoft Word 2007.

See individual instrument literature for specifications and other details.



Enhance energized testing safety and improve testing productivity by installing the ALL-SAFE PRO™ Connection Box. Bluetooth in ATPOL II allows for remote operation of the instrument.

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