The ATPOL II™ delivers superior AC diagnostics for the evaluation of the health of the Stator Electrically and Mechanically, Rotor, Air Gap, and evaluates the entire driven load (belted, geared, bladed, etc.). The instrument also provides excellent Diagnostics for DC motors, Generators and Transformers.
COMPLETE MOTOR ELECTRICAL SIGNATURE ANALYSIS AND POWER ANALYSIS FOR AC/DC MOTORS, GENERATORS AND TRANSFORMERS

EASY TO CARRY – EASY TO USE

The ATPOL II™ (ALL-TEST PRO On-Line II™) tester is the most complete Energized Motor and Power Diagnostic instrument available today – all in a hand-held, lightweight instrument. Rugged case with rubberized bottom for a safe grip. No need to carry a PC or other heavy equipment in the field, the ATPOL II™ fits in a small pouch, which can be slung over the shoulder or carried in a tool belt.

No need to enter nameplate data before data collection, only prior to analysis! Should you make a mistake when entering data – no problem. Just correct the data before analysis.

CAT III 1000V – THE ATPOL II™ HAS THE INDUSTRY’S HIGHEST SAFETY STANDARDS

The ATPOL II™ has passed the highest standards for CAT III 1000V. The CAT IV 600V rating signifies it is suitable for testing at the service entrance (≤ 600V).

SUPERIOR DIAGNOSTIC POWERS–SMART & AUTOMATIC

The ATPOL II™ offers many Software and Data Analysis Advantages, including key determinations that are made automatically, including:

- Line Frequency, Running Speed and Pole Pass Frequency
- Software automatically looks for patterns related to Stator Slot and Rotor Bar fault frequencies
- Automatic detection of Static or Dynamic eccentricity faults
- Evaluation of Incoming Power, including Harmonics
- Calculates Efficiency for AC Induction & DC Motors
- Power Analysis includes Sag/Swell and Transient Detection plus Energy Consumption Data Logging

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ALWAYS KNOW YOUR CONNECTIONS ARE CORRECT

Verify Connections feature analyzes voltage and current connections to make sure they are installed correctly. No more misses or strange results due to faulty application of the leads!

UNLIMITED MEMORY

SD Memory Card slot provides unlimited storage for your test data!

EASY, VERSITILE PC Communication

Choose either Bluetooth® wireless or USB wired data transmission from the ATPOL II™ to PC. Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

POWER MONITORING WITH THE ATPOL II™

With its advanced power monitoring capabilities, the ATPOL II™ offers a clear advantage over the competition.

- Document Energy Consumption and Savings
- Evaluate Opportunities for Improvement
- Troubleshoot Incoming Power
TOOLS TO ANALYZE AND REPORT BOTH THE ELECTRICAL AND MECHANICAL CONDITION OF THE ENTIRE MOTOR OR GENERATOR SYSTEM

ALL TEST 6.31 Analysis Results

PERFORMANCE SUMMARY

Bottom Line

This induction motor is operating normally, no action is required.

Power Factor Commentary

X Power factor exceeds 0.85.

X Power factor is below 0.85, see detailed report.

Current Commentary

X Current variation is within normal limits.

X Current variation is beyond normal limits, see detailed report.

Voltage Commentary

Voltage variation is within normal limits.

X Voltage variation is beyond normal limits, see detailed report.

X RMS voltage differs from nameplate by more than 5%.

ATPOL II™ calculates and identifies mechanical as well as electrical faults.

ATPOL II™ automatically identifies and reports common DC motor faults, such as broken armature, faulty SCR's, etc.

COMPREHENSIVE 6-PAGE SUMMARY REPORT DETAILING THE CONDITION OF THE ENTIRE MOTOR SYSTEM MAKES YOUR JOB A LOT EASIER!

Automatic analysis of the electrical and mechanical system for induction, DC, and Synchronous motors; plus Generators, Transformers and VFDs.

Manager’s Report
Non-Technical Assessment and Summary Easy to Understand
ALL-TEST PRO®

ALL-TEST PRO® ALSO OFFERS DE-ENERGIZED TESTING FOR TROUBLESHOOTING, PREDICTIVE MAINTENANCE AND QUALITY CONTROL

The MD III™ assembly includes all you need for complete energized and de-energized testing of motors, generators & transformers

Combine the power of Motor Circuit Analysis (MCA™) and Electrical Signature Analysis (ESA) to evaluate and trend your entire motor system. Auto diagnosis within instrument providing an immediate health status report. Route-based testing and trending makes predictive maintenance painless. Tests can be performed from distances of over 1,000 feet away.

The ALL-TEST PRO 31™ is the perfect tool for troubleshooting and quality control of de-energized motors, rotors, coils and windings. A must-have tool for a serious electrician working with motors.

No other testing equipment for electric motors, generators and transformers gives you a more accurate, easy-to-use and economical way to keep your motors and windings healthy.

The ATPOL II™ includes:
ALL-TEST PRO On-Line II™ hand-held data collector (1)
0.1 - 100A portable current transformer (4)
1 – 6000A flexible, portable current transformer (4)
Voltage test leads and clips (4)
AC battery charger 115V or 230V (1)
Hard sided carrying case (2)
ESA & PSM software (1 each)
User manual on CD
Warranty card (1)

SPECIFICATIONS:
ATPOL II™ weight: Less than 2 lbs. (0.9 Kg)
ATPOL II™ size: 3-3/4” wide x 7-1/2” long x 2” deep
(95 mm W x 190 mm L x 50 mm D)
Gross weight for shipping: 20 lbs. (9.1 Kg)
Gross size for shipping: 20” x 14” x 18”
(50.8 cm x 35.6 cm x 45.7 cm)

For complete technical specification see separate ATPOL II™ specification sheet.

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