

# MOTOR GENIE™

**AT**  
**PRO**

**THE PERFECT TOOL FOR TROUBLE SHOOTING, START-UP & QUALITY CONTROL OF LOW VOLTAGE AC INDUCTION MOTORS.**

### **Trouble Shooting.**

Know in a few minutes what the problem is: connections or cable, electrical or mechanical, coil, internal fault or ground fault.

### **Start-up.**

Make sure electrical motors, connections and cables are working in top condition.

### **Quality Assurance.**

Test new and stored spare motors. Test repaired motors to find irregularities or a possible faulty repair with different wire sizes, or wiring configuration.

**Revolutionary tester goes far beyond what you can see with only a Meg-OHM-Meter!**

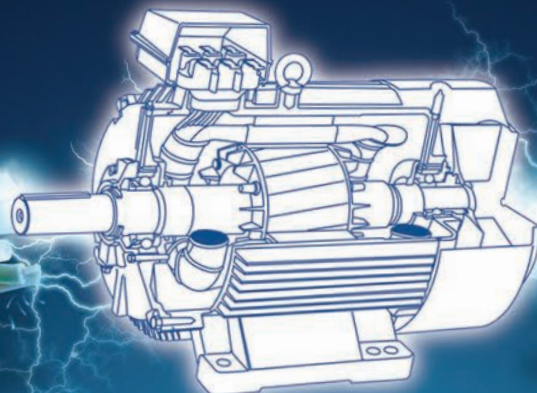
- **Safe:** De-energized testing
- **Easy:** As easy to use as any Meg-ohm-meter or multimeter
- **Light:** 1 pound, hand-held
- **Batteries:** They last for up to 10 hours of testing
- **Best Value:** Costs less than a good Meg-Ohm-Meter offering a quick return on your investment

## **What you will find with the MOTOR GENIE™**

- **Internal Winding faults;** Turn-to-turn, coil-to-coil, open windings & continuity
- **Contaminated windings;** Grease, dirt & liquids, corrosion
- **Bad cables or connections;** Broken or damaged, corroded or loose connections
- **Insulation to ground faults;** Choose 500 or 1000 volt test, read to 500 M  $\Omega$
- **Phase Unbalance;** Z-unbalance = higher electric bills & shorter motor life



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**Contact us today!**

Contact us today for more information or an RFQ.

860-399-4222

[sales@alltestpro.com](mailto:sales@alltestpro.com)

# Stop Guessing Get your own MOTOR GENIE™!



**The MOTOR GENIE™ includes:**

- MOTOR GENIE™
- Test Harness with Clips
- Battery Charger
- User Manual on CD



**Available accessories:**

- Protective Glove
- Carrying Pouch for belt & shoulder

**Specifications:**

- Size: 7.5" L, 4" W, 1" D
- Weight: 1.0 lb.
- Batteries: 6 pack, 7.2V - 1000mAh. Rechargeable NiCd

\* Patented  
\* CE Listed

Electrical Motor Testing*				
	Ground Faults	Internal Winding Faults**	Open Connection	Contamination
MOTOR GENIE™	YES	YES	YES	YES
Meg-Ohm-Meter	YES	NO	NO	YES
Volt/Ohm Meter	NO	NO	YES	NO

\*Common electrical testing instruments \*\*Winding coil faults: turn-to-turn & coil-to-coil

## Energy Efficiency - Plant & Services

### Test all motors before installation & save time and money.

Save thousands of dollars and time by catching any faults before installing a new or repaired motor. See unbalanced phases that will cost you more money in energy use and shorten the life span of your motors.

### Trouble Shoot.

**Stop Guessing! Know Now!** Know what the trouble is in a few minutes! Electrical or mechanical? Turn-to-turn fault? Connection Problem? Phase unbalance? Dirty windings? Short to ground?

### Test electric motors & connections at start up.

Research shows that 1 in 100 motors have some faults and should not be put into service. Avoid unnecessary start-up labor and material costs. Use test results to create a professional bill of health report and avoid future warranty claims.

## Repair Shop

### Sort your incoming repairs.

**Save hours of work per day and see your costs go down and profits go up!**

No need to clean and bake before determining the fault(s).

### Give your customer top quality service.

Take the MOTOR GENIE™ with you when picking up repairs or making a sales call. Help your customer (*and yourself*) by trouble shooting or by settling a warranty claim on site.

Parameter	Valid Test Range	Accuracy	Max Resolution	Repeatability
Resistance	0.1 ~ 250 Ω	± 3%	10m Ω	± 2%
Insulation Resistance (500V or 1000V)	0.1 ~ 100M Ω	± 3%	0.01M Ω	± 1%
	>100M ~ 500M Ω	± 5%		
Impedance	1 ~ 999 Ω	± 3%	10m Ω	± 2%
Phase Angle (°)	15° ~ 90°	± 2°	1°	± 1°
I/F (%)	-50% ~ -15%	± 2 Digits	1 Digit	± 1 Digit

Specifications subject to change without notice.



## ALL-TEST Pro, LLC

P.O. Box 1139 • Old Saybrook, CT 06475  
Tel 860.399.4222 • Fax 860.399.3180  
info@alltestpro.com • www.alltestpro.com

Represented By