



JENKINS AC & DC ARMATURE BAR-TO-BAR TESTER

The Jenkins AC & DC Armature Bar-to-Bar Tester is a useful diagnostic tool for motor repair shops, manufacturers, and quality-assurance teams. Engineered for speed, accuracy, and ease of use, it provides a fast and reliable way to assess the electrical integrity of commutator bars and armature coils in AC and DC motor assemblies.

The tester quickly identifies critical electrical faults between adjacent commutator segments, identifying issues that can lead to brush arcing, overheating, and premature motor failure if left undetected. With a simple test process and clear, audible feedback, technicians can evaluate armature health in seconds.

- No meter reading required: results are audible through headphones and visual through light indicators for testing a variety of sizes
- Audible fault indication: simplifies detecting issues
- Enhanced volume control for noisy environments



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QUESTIONS ABOUT
BAR-TO-BAR TESTING?
JUST ASK JENKINS.

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JENKINSELECTRIC.COM | JENKINS.COM

FEATURES

Detect Bar-to-Bar Shorts

- Find direct shorts between commutator segments that compromise motor performance and efficiency.

Uncover Turn-to-Turn Coil Shorts

- Identify hidden shorts within coil windings that weaken torque, reduce insulation life, and increase heat.

Locate Open Coils

- Quickly spot broken or open windings that prevent proper current flow and lead to motor malfunction.

Verify Commutator Connections

- Reveal weak, loose, or faulty coil-to-bar joints that can cause intermittent operation or total failure.

Improved Usage Features Include

- A gain dial and lights to help set the tester properly, depending on the commutator size being tested.

Can operate on 120v or (2) off-the-shelf batteries by default (Can be changed per request, batteries and charger not included)

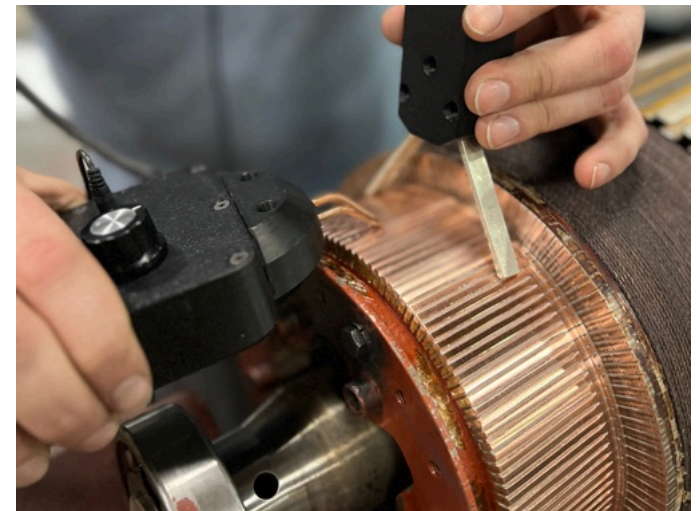
GEN3SERIES

Our Generation 3 Series product line utilizes the latest in industrial software technology. Built on the principles of safety, simple operation and dependable service, our systems reduce your team's exposure to danger, while keeping your data readily available.

- Jenkins Motor Test System
- Core Loss Tester
- Temperature & Vibration Module
- TempConnect Temperature Recorder

RESULTS INTERPRETATION

- Absence of sound and light indicates a bar-to-bar short in or near the commutator.
- Weak sound and dim light indicates a turn-to-turn short in the coil connecting adjacent bars being tested. Weak sound could also indicate a short in a magnetically opposite coil.
- A moderate sound and only the green LED being lit indicates that the commutator, coil, and connections are satisfactory.
- A loud sound and both LEDs being lit indicates an open on the coil between the segments being tested.



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