Performance Verification Guide

For Cirris 3300 Series Testers

A Performance Verification Kit certifies that your tester is calibrated. You should run performance verification at least once a year and anytime you suspect that the tester is not operating properly.

If any step in the performance verification procedure fails, you must ship the tester to Cirris or a third party lab for calibration. No external adjustments can be made to fix the tester. **Do not open the tester chassis or make any attempt to calibrate the tester yourself. This action will void your tester's warranty.**

Each performance verification kit has a life cycle of **2 years** from the time of purchase. At the end of two years, the kit can be recalibrated or replaced. All components for this performance verification kit are tested with instruments traceable to the National Institute of Standards and Technology (NIST).

Disclaimer

This Performance Verification Kit reports if a tester is operating within calibration standards set at the factory. This kit does NOT calibrate the tester. If your tester needs calibration, you must send it to Cirris or a third-party calibration lab. Hardware modifications or replacements will bring the tester back into calibration.

Safety Warning

Cirris high voltage (hipot) testers are designed to be safe for operators. However, certain situations may be potentially hazardous. For ideas on improving safety, see the product user manual, and visit www.cirris.com/safety.
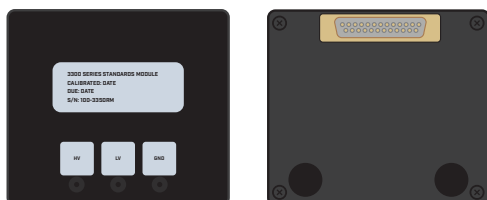
Required Tools

Included in the performance check kit

- Test Point Module
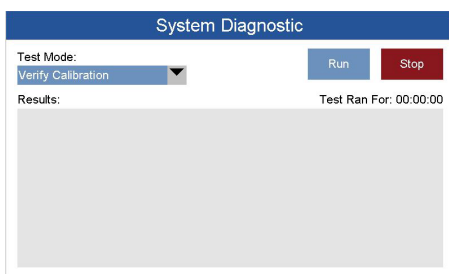- Standards Module
- Tester Probe

Test Point Module front/back

Standards Module front/back

Not provided by Cirris

Volt Meter: Fluke 70/80 Series (or equivalent) with Input Resistance of 10 M Ω ±10%.

Verify Calibration

1. On the Main Menu screen, press System Settings, then press System Diagnostic.

2. From the Test Mode dropdown menu, select Verify Calibration.

3. Install the Test Point Module in the J1-J2 position, and press Continue.

4. When connectors J1 and J2 have passed verification, you will be prompted to move the module to the next prompted position. Press Run and then Continue.

   Note: This step only applies if you are using a tester with four connectors.

5. When prompted, remove the Test Point Module and install the Standards Module in the J1 position. Press continue.

6. When the tester prompts you to touch probe to "LV" jack by inserting the tester probe into the middle jack on the Standards Module.

7. Once you have verified the probe, the tester will prompt you to attach the voltmeter to the module. As instructed on the screen:

8. Attach red (+) lead to "HV" jack

9. Attach black (-) lead to "GND" jack

10. Make sure the voltmeter is turned to DC volts, and press Continue.

11. The tester will ask you to input numbers you read on the voltmeter. Wait for the number to stabilize before entering the number on the tester screen.

Once you have entered all the information from the volt meter to the tester, the test will finish. The bar at the top of the screen will turn green if all tests pass and red if one or more tests fail.

When all tests are complete, fill out the Calibration Report and save for your records.

- Or - Verify Test Points Only (Zero/5Meg Ohm)

The Zero/5Meg Ohm test verifies the test points using the Test Point Module. The Verification Test includes the Zero/5 Meg Ohm test, but this test can be performed alone without performing the full Verification Test.

1. On the Main Menu screen, press System Settings, then press System Diagnostic.

2. From the Test Mode dropdown menu, select Zero/5Meg Ohm.

3. Install the Test Point Module in the J1-J2 position, and press Continue.

4. When connectors J1 and J2 have passed verification, you will be prompted to move the module to the next prompted position. Press Continue.

    Note: *This step only applies if you are using a tester with four connectors.*

When all test points have passed verification, the bar at the top of the screen will turn green indicating all test points are functioning as expected. If any test points fail, the bar will turn red.