Signature 1000/1000M/2000 Performance Verification Manual

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CIRRIS
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General Information

What this document covers

By following the instructions in this manual, you will be able to check the operation of your Cirris 1000, 1000M, or 2000 Cable Analyzer.

Firmware

The firmware version your analyzer is equipped with is displayed as the analyzer powers up.

If you need to upgrade the firmware in your Cirris analyzer, telephone Cirris at 801-973-4600 or 800-441-9910.

Things to remember

- You should check the calibration of your analyzer at least once per year. Also check the calibration whenever you suspect the analyzer may not be working properly. You **cannot** adjust the calibration yourself. If the analyzer does not pass the calibration tests, telephone Cirris at 801-973-4600 or 800-441-9910.

- Keep the adapter receptacles and the area surrounding the analyzer free from dust, metal particles, and other debris. Keep all liquids away from your cable analyzer. Liquid spills can pose a health hazard, can severely damage the analyzer, and will immediately void its warranty.

Your packing list

In addition to your analyzer (with its wall transformer power supply) and this manual, you will need a Resistor Pull-Up Adapter, and a Continuity Test Adapter.

Set Up the Analyzer, Perform the Calibration

Set up the hardware

To prepare the analyzer's hardware for calibration, do these things:

- Make sure the analyzer is turned off, then connect the power cord to the analyzer, and plug the wall transformer into a live, well-grounded wall outlet.
- Install the Continuity Adapter into scanner position J1-J2 on your analyzer.
- Install the Resistor Pull-Up Adapter into scanner position J3-J4 on your analyzer.

Perform the Calibration

To begin the performance verification on your analyzer, do these things:

1. With both adapters securely in place, turn on your analyzer by pressing Learn Then Test. After the analyzer learns the adapters, it should prompt **Signature:7E57EC Please Verify**.

Note: If the signature displayed is different than the one shown here, continue with the performance verification procedure until you have completed all steps. Once you have done that, telephone us a Cirris Systems at 801-973-4600 or 800-441-9910. There is a problem with your analyzer. We'll do everything we can to get it working properly again.

2. Do one of these two things:
   - If you have a printer connected to your analyzer, document the displayed signature by pressing Advance Display.

- If you don't have a printer connected to your analyzer, transcribe the signature to your master documentation by hand.

3. Do one of these two things:

   - If the analyzer you are working on as a Cirris 1000 or 1000 M, skip to step 7.

   - If the analyzer you are working on is a Cirris Signature 2000, turn off the analyzer.

4. Install the Continuity Adapter into scanner position J5-J6, and the Resistor Pull-Up Adapter into scanner position J7-J8.

5. Turn on the analyzer by pressing Learn Then Test. The analyzer should prompt Signature **3DF918 Please Verify**.

6. Either print or transcribe the displayed signature as you did in step 2.

7. Turn off the analyzer. Install the Resistor Pull-Up Adapter into scanner position J1-J2, and the Continuity Adapter into position J3-J4.

8. With both adapters securely in place, turn on the analyzer by pressing Learn Then Test. The analyzer should prompt **Signature FC3160 Please Verify**.

9. Print or transcribe the displayed signature as you did in step 6.

Important Note:: If you are working on a Signature 1000 or 1000M, this completes the performance verification procedure.

10. If you are working on a Signature 2000, turn off the analyzer, and install the Resistor Pull-Up Adapter into position J5-J6, and the Continuity Adapter into position J7-J8.

11. Turn on the analyzer by pressing Learn Then Test. The analyzer should prompt **DB4CFC Please Verify**.

12. Print or transcribe the displayed signature as you did in step 9.

Important Note: This completes the verification for the Signature 2000 analyzer.

What to do when signatures do not match

If the analyzer prompts signatures different than those given in this verification procedure, there are defect(s) in the corresponding scanner assembly(ies). For example, if the analyzer does not prompt Signature 7E57EC when you have the Continuity Adapter installed in scanner position J1-J2, the scanner assembly which supports that position needs repair. If your analyzer prompts you with an incorrect signature, do these things:

- Print out or transcribe the incorrect signature.
- Call us at 801-973-4600 or 800-441-9910. It is likely that we will have you return the scanner assembly to us for repair. We will provide you with an RMA number, and all the information you will need to do that.

Calibration Results Table

Photocopy this page!

Photocopy this page before you begin your calibration. That way, you'll have fresh copies of this results table handy whenever you need them. Record your calibration results on one of the photocopies as you work your way through the calibration process.

Analyzer Model (circle one): Signature 1000 1000M 2000

Calibration Date:____/____/____

Technician:_____

Tester Serial Number:_____

Calibration step number	Signature Seen	Correct Signature	Pass/Fail
1		7E57EC	
5		3DF918	
8		FC3160	
Note: If you are calibrating a Signature 1000 or 1000M, this completes the performance verification procedure. If you are calibrating a Signature 2000, continue the calibration procedure, and record your results below.			
11		DB4CFC	

Calibration Results Table / Photocopy this page!

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