

## Calibrate with the ES-1000

Using the ES-1000 spectrophotometer, you can measure printed color patches and automatically download the measurements to the Fiery Server.

1. In Device Center, click **General**, click **Tools**, and click **Calibrate**.
2. In Calibrator, under Select Measurement Method, select the ES-1000.
3. Under Check Print Settings, select a calibration set, either by name or by the print settings associated with the calibration set.  
**Note:** If more than one calibration set is listed under Check Print Settings, select the calibration set associated with the output profile you use most often.
4. Under Generate Measurement Page, click **Print**.
5. Select appropriate options for your measurement instrument and click **Print** to print the measurement page. Sorted patches are printed on the page in order of hue and saturation levels. Randomized patches are printed in random order. Randomized patches can help to compensate for density inconsistencies on different areas of the page.
6. Under Get Measurements, click **Measure** and select the options that match the printed measurement page.
7. Click **Measure**.
8. Place the ES-1000 in the calibration cradle.  
White point calibration is used to calibrate the spectrophotometer and compensate for gradual drifts in the instrument. Make sure the sample aperture is in full contact with the white tile on the calibration cradle. If you do not place it correctly in the calibration cradle, the spectrophotometer does not return accurate measurements.  
**Note:** The serial numbers of the ES-1000 and the cradle must match for accurate ES-1000 calibration.
9. Click **OK** and follow the instructions for measuring the strips (in the Status field of the Measurements dialog box).
10. For a more accurate measurement, place several sheets of plain white paper beneath the measurement page or use a backer board if it is available. The extra sheets block underlying colors from being read by the instrument.
11. Orient the measurement page so that strips are horizontal and the scan direction (indicated by the arrows at the beginning of each strip) is left to right.
12. Hold the ES-1000 with its length perpendicular to the scan direction, and place the tip of the sensor on the white space at the start of the specified color.
13. Press and hold the ES-1000 button and wait for a beep or wait for the background color in the dialog box to change from green to white.  
**Note:** To hear a beep with a Windows computer, you must install a sound card and speaker(s). You may have to turn up the volume on your computer to hear the beep.
14. After you hear a beep or see the dialog box background color change, slide the ES-1000 at a slow but consistent pace across the strip. (Take about five seconds to slide the length of the strip.)
15. Release the button when all the patches in the strip have been measured and you reach the white space at the end of the strip.  
When a strip is measured successfully, the dialog box background color changes to green, and the cross hair moves to the next color. If the strip is not measured successfully, the dialog box background color changes to red, and a message directs you to try again.
16. Repeat for all the strips in the order indicated on the screen.
17. When all the patches have been read successfully, click **Accept**.
18. To apply the measurement data to the Fiery Server, click **Apply**.
19. Click **OK** to complete the calibration process.

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