

Sensor Profile

Use the sensor profile image (which will extend across several actual labels or tags) to troubleshoot the following situations:

- The printer experiences difficulty in determining gaps (web) between labels.
- The printer incorrectly identifies preprinted areas on a label as gaps (web).
- The printer cannot detect ribbon.

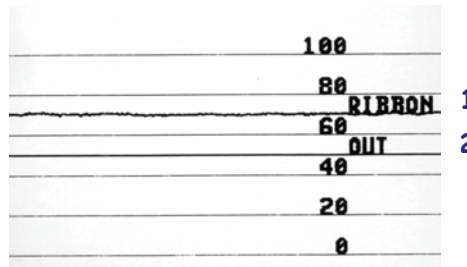
With the printer in the Ready state, print a sensor profile in one of these ways:

Using the buttons on the control panel	<ol style="list-style-type: none"> Turn off (O) the printer. Press and hold FEED + CANCEL while turning on (I) the printer. Hold FEED + CANCEL until the first control panel light turns off.
Using ZPL	<ol style="list-style-type: none"> Send the ~JG command to the printer. See the <i>Zebra Programming Guide</i> for more information about this command.
Using the control panel display	<ol style="list-style-type: none"> Navigate to the following item under the SENSORS menu. <div data-bbox="852 934 1295 1276" data-label="Image"> </div> Press RIGHT SELECT to select PRINT.

Compare your results to the examples shown in this section. If the sensitivity of the sensors must be adjusted, calibrate the printer (see [Calibrate the Ribbon and Media Sensors](#) on page 191).

Ribbon Sensor Profile (Figure 21) The line labeled RIBBON (1) on the sensor profile indicates the ribbon sensor readings. The ribbon sensor threshold setting is indicated by OUT (2). If the ribbon readings are below the threshold value, the printer does not acknowledge that ribbon is loaded.

Figure 21 • Sensor Profile (Ribbon Section)



Media Sensor Profile (Figure 22) The line labeled MEDIA (1) on the sensor profile indicates the media sensor readings. The media sensor threshold settings is indicated by WEB (2). The media out threshold is indicated by OUT (3). The downward spikes (4) indicate gaps between labels (the web), and the lines between the spikes (5) indicate where labels are located.

If you compare the sensor profile printout to a length of your media, the spikes should be the same distance apart as the gaps on the media. If the distances are not the same, the printer may be having difficulty determining where the gaps are located.

Figure 22 • Sensor Profile (Media Section)

