

# INFORMATION ONLY

## E5052B-06

# S E R V I C E N O T E

Supersedes:  
None

## E5052B Signal Source Analyzer

Serial Numbers: ALL

**LCD Touch Panel Assembly – Stuck/ Dead pixel specification.**

**Parts Required:**

P/N	Description	Qty.
None		

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
<b>INFORMATION ONLY</b>	
<input type="checkbox"/> Calibration Required <b>X Calibration NOT Required</b>	PRODUCT LINE: WN AUTHOR: LS
ADDITIONAL INFORMATION: This service note communicates the LCD Display stuck/ dead pixel specifications. The maximum number of defective dot or pixel is calculated as 0.002% of total pixels.	

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**Situation:**

Due to supplier's technical difficulties in providing a dead pixel free LCD display on each and every LCD display, on certain minimal occurrences, customer might notice dead/ stuck pixel on their instrument LCD display touch screen panel. Shown in figure 1-1 (circled in red) and figure 1-2 is the example of dead pixel on LCD display.



Figure 1-1

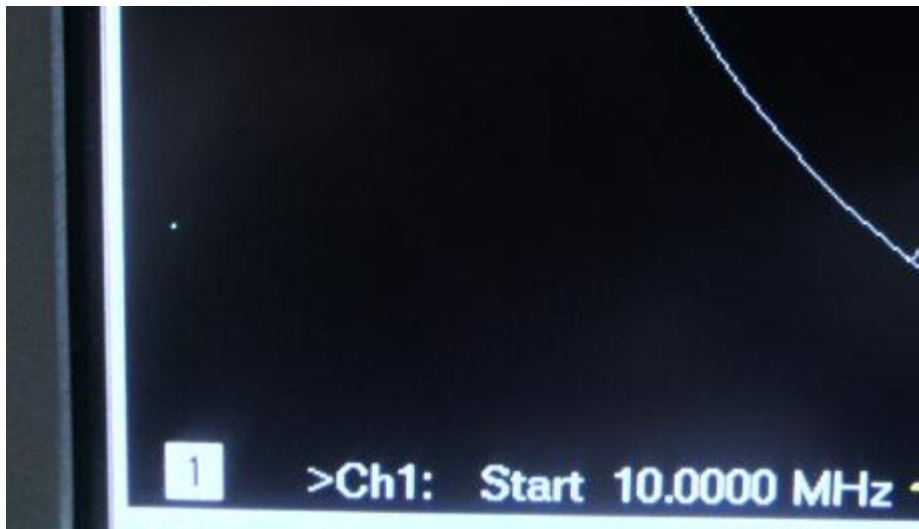


Figure 1-2

**Solution/Action:**

According to product specifications, a certain number of stuck pixel/ bright spots/ dead pixel are allowed. The number of dots is calculated with 0.002% of the total pixels.

As long as the number of dead pixels is within the specifications, it would not be regarded as failure and shall NOT be covered by factory warranty.

Maximum Dead/ stuck pixel limit is 0.002% of total pixels.

**Example:**

For XGA display (1024 x 768), the maximum number of defective dots/ pixels allowed is calculated as follows.

Total number of pixels = 1024 x 768 = 786432

Maximum no. of dots/ pixels allowed = Total number of dots/ pixels x 0.002%  
 = 786432 x 0.002%  
 = 15 dots/ pixels

Shown is the Attention Label on every brand new E5052B shipped from factory. Always refer to attention label for up-to-date information.


**Attention!** 注意! 使用前注意事項。・ご使用になる前に。

1. Before pressing the front button (standby switch), turn on the rear panel line switch. Use the standby switch to turn off the instrument so that the operating system is shut down properly. The mains power must not be disconnected until the shutdown process is completed.
2. Luminous (blue, green or red) dots or dark dots totaling less than 0.002% of the total pixels are within the LCD specifications.
3. In case the instrument fails to start up due to system errors of the operating system or other digital failures, refer to the Installation Guide, and perform system recovery if necessary.

1. 请先打开后面的主电源开关(线路开关), 然后再打开前面的按钮开关(备用开关)。另外, 关闭电源时, 请按下面前面的按钮开关, 待关机过程正常执行后, 拔掉电源电缆。
2. LCD显示屏中存在的0.002%以下(蓝色、绿色或红色)发光点与不发光点现象属于产品规格的正常范围, 并非不良状况。
3. 因系统错误不能正常启动时, 请参阅Installation Guide, 并根据需要进行系统恢复。

1. 請先打開後面的主電源開關(線路開關), 然後再打開前面的按鈕開關(待命開關)。另外, 關閉電源時, 請按下前面的按鈕開關, 待關機過程正常執行後, 拔掉電源線。
2. 在LCD顯示螢幕中所出現的0.002%以下(藍色、綠色或紅色)發光點與不發光點現象, 屬於產品規格的正常範圍, 非不良狀況。
3. 因系統錯誤而不能正常啟動時, 請參閱Installation Guide後, 視情況需要進行系統還原。

1. 後面の主電源スイッチ(Line Switch)をオンにしてから前面の押しボタンスイッチ(Standby Switch)を入れてください。また、電源をオフにする際は、前面の押しボタンスイッチを押し、シャットダウン・プロセスが正しく実行されてから、電源ケーブルをはずして下さい。
2. LCD表示面における0.002%以下の(青、緑又は赤の)ドット点灯や不点灯は製品仕様の範囲内であり、不具合ではありません。
3. システムエラー等により正常に起動しなくなった場合は、Installation Guideを参照の上、必要に応じてリカバリを試みて下さい。



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**Revision History:**

Revision Number	Date	Author	Reason For Change
1.0	July 16 <sup>th</sup> , 2014	LS	As published