

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

8114A-02B

S E R V I C E N O T E

Supersedes:
8114A-02A

8114A 100 V / 2 A Programmable Pulse Generator

Serial Numbers: DE38601990 / DE38602380

All serial numbers < DE38602380 when a new display is installed

**Intermittent display failures
(shifting lines, inverted, fully lit or completely dark display)**

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
81110-66555	Display Adapter	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS: LABOR: 0.25 Hours	
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: June 2008	
AUTHOR: SM	PRODUCT LINE: 24		
ADDITIONAL INFORMATION:			

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Situation:

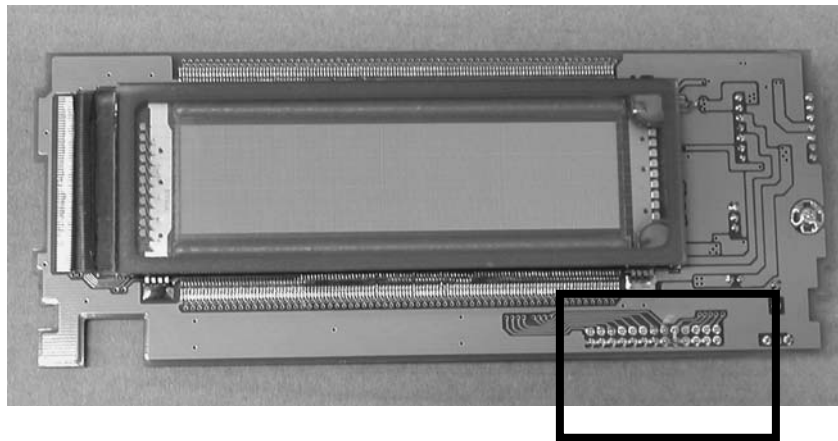
Intermittently the front panel display may show shifting lines that are falling back to their normal state. Additionally an inverted display, a display with all pixels lighted or a blank display may occur intermittently.

After cycling the power of the pulse generator the display works normally again. Reproducing the symptom might not be possible.

Solution/Action:

The following rework will improve the behavior of the display:

- Remove the front frame and unplug the connector cable from the 8114A mainframe.
- Carefully remove the display module from the front frame and check for a capacitor that might have been added during an earlier intermittent modification (see picture below). If there is such a capacitor, unsolder it from the module. Re-install the display into the front frame.



- Replace the flat ribbon cable that connects the display with the RPG board with the Display Adapter, p/n 81110-66555. Use the provided insulated clamp to secure the adapter board on the display connector.