

S E R V I C E N O T E

SUPERSEDES: NONE

4156C Semiconductor Parameter Analyzer

Serial Numbers: See below.

Firmware Update to Fix HRVSU/VMU Diag Fail Problem**Duplicate Service Notes:**

4155C-01 Serial Numbers: JP10E00101 / JP10E00123

4156C-01 Serial Numbers: JP10E00101 / JP10E00125

To be Performed by: Agilent-qualified personnel**Situation:**

In the VSU/VMU diag test, the error 10057 occurs. But the VSU/VMU board is not broken. It is caused by the defect of the SMU controller firmware (SMUC 04.00).

Solution/Action:

Update the SMU controller (SMUC) firmware to 04.01 by using the following procedure:

1. Go to the following location:

ftp://hpyidmk.jp.agilent.com/dist/dc_para/4155C/firmware /HOSTC03.00/SMUC04.01/

2. Save the 'h0300_s0401.zip' file to a local temporary directory. (Use the BINARY transfer mode to get the file.)
3. Extract directories and files from the 'h0300_s0401.zip' file, which is a 'zip' type compressed file. Four directories (disk1, disk2, disk3, and disk4) are created.

DATE: May 2001

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 0.5 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
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: TW	ENTITY: 3300	AGILENT RESPONSIBLE UNTIL: May 2003	
		ADDITIONAL INFORMATION:	



4. Copy the files in each directory to a 3.5-inch disk and label the disk. For example, after you have copied the files in the 'disk1' directory, label it "disk1".
5. Turn off the 4155C/4156C.
6. Insert "disk1" into the 4155C/4156C and turn on the 4155C/4156C.
7. Press the { Yes } primary softkey to start the firmware update.
8. Replace the disks according to the displayed instructions. use disks in the following sequence:

disk1 - disk 2 - disk3 - disk1 - disk4
Note that "disk1" is used twice.
9. Wait until the update process completes.
10. Remove the disk and cycle the power.
11. Check the HOSTC and SMUC revisions on the [System]->{Config} page.

To do this update, 41501A,B SMU/PGU Expander is not necessary.