SUPERSEDES: NONE

E5100A Network Analyzer

Firmware Revision: 2.00

Modification to fix "-225, out of memory" error in saving all instrument data

To Be Performed By: HP-qualified personnel

Parts Required: Need one of the following firmware disks:

HP P/N	Qty.	Description	Used for
E5100-18303	1	FW DISK 2.10 2BW	E5100A with black & white LCD (*1)
E5100-18403	1	FW DISK 2.10 2CL	E5100A with color LCD

Note *1 If the maximum number of sweep points of the HP E5100A is NOT 1601, this firmware disk can not be used.

Continued

DATE: August 1996

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:
MODIFICATION RECOMMENDED

ACTION CATEGORY:	☐ IMMEDIATELY ■ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: 　　　　LABOR 1.0 Hours		
LOCATION CATEGORY:	☐ CUSTOMER INSTALLABLE ☐ ON-SITE ■ HP LOCATION	SERVICE INVENTORY: ☐ RETURN ☐ SCRAP ☐ SEE TEXT	USED PARTS:	☐ RETURN ☐ SCRAP ☐ SEE TEXT
AVAILABILITY:	PRODUCTS SUPPORT LIFE	HP RESPONSIBLE UNTIL: August 1996		
AUTHOR: KI	ENTITY: 3355	ADDITIONAL INFORMATION:		

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Situation:

When the number of sweep points is set to 1601 and instrument's all data (state and measurement data) is saved into the floppy disk or internal memory, the error message "(-225) Out of memory" may appear on the display.

The key strokes are as follows: ([ ]:Hardkey, { }:Softkey):

[Sweep],{Number of POINTs},[1],[6],[0],[1],{x1},
[Save/Recall],{STORE DEV}(select A:DISK or B:MEMO),{SAVE},{ALL},
(enter filename with RPG and {SELECT LETTER}),{ENTER}

This problem is caused by a firmware bug on revision 2.00.

Note:

This error occurs only to the HP E5100A with 1601 maximum number of points. The HP E5100B and the HP E5100A with 801 maximum number of points do not have the problem described in this service note.

Solution/Action:

This problem can be fixed by firmware update.

1. Firmware update procedure

    1-1. Press [System],{MORE},{SERVICE MENU},{FIRMWARE REVISION} keys to confirm that the unit has a firmware revision 2.00.

    1-2. Confirm that the firmware disk is correct one to update the firmware of the unit. (see the part list of "Parts Required:")

    1-3. Turn OFF the unit.

    1-4. While pressing [Preset] and [0] keys at the same time, turn ON the E5100A, and wait for a while until some {firmware update} softkey is appeared on the display,

    1-5. Press {Firmware Update} softkey.

    1-6. Insert the firmware disk into the floppy disk drive of the HP E5100A.

    1-7. Press {OK} softkey.

    1-8. Press {EXECUTE UPDATE} softkey.

    1-9. Press {OK} softkey to start the firmware update.

Note:

It will take several minutes to complete the firmware update. When the firmware update is completed, the unit automatically execute preset operation.

    1-10. Put the firmware revision label included in the firmware disk set on the rear panel.

2. Final operation check

    2-1. Turn the E5100A ON and confirm that the unit passes power on selftest.

    2-2. Press [System],{MORE},{SERVICE MENU},{EXECUTE TEST} to start self- diagnoses.

    2-3. Confirm that the unit passes the self-diagnoses.