SUPERSEDES: NONE

E5100A/B Network Analyzer

Modification to fix "INPUFORM", "INPURAW", and INPUDATA" command errors

To Be Performed By: HP-qualified personnel

Parts Required:

Need one of the following firmware disks:

HP P/N	Qty.	Description	Used for
E5100-18003	1	FW DISK 2.10#509	E5100A with Option 509
E5100-18103	1	FW DISK 2.10 1BW	E5100B with black & white LCD
E5100-18203	1	FW DISK 2.10 1CL	E5100B with color LCD
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 801, P/N E5100-18103 should 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 1998			
AUTHOR: KI	ENTITY: 3355	ADDITIONAL INFORMATION:			

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Situation:

When "INPUFORM", "INPURAW", or "INPUDATA" command is used to enter the measurement data to a data array, obtained data array may be incorrect.

<Example>

    DIM A(1:201,1:2)
    OUTPUT @E5100;"INPUDATA";A(*)

In the above program, obtained data array A(*) may differ from the actual data in the HP E5100A/B.

This problem is caused by a firmware bug on revision 1.02 and below.

Solution/Action:

This problem can be fixed by firmware update.

1. Firmware update procedure

1-1. Press [System],{MORE},{SERVICE MENU},{FIRMWARE REVISION} to confirm that the unit has a firmware revision 1.01 or below.

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/B, 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/B.

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.

2. Final operation check

2-1. Turn the E5100A/B 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.