

## 8130A-02

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

SUPERSEDES: None

### HP 8130A 300 MHz Pulse Generator

**Serial Numbers:** 0000G00100 / 2905G00820

#### Firmware UPDATE possible!

**To Be Performed By:** HP-Qualified Personnel

#### Parts Required:

| HP Part No. | Description |
|-------------|-------------|
|-------------|-------------|

|             |         |
|-------------|---------|
| 08130-13703 | EPROM 1 |
|-------------|---------|

|             |         |
|-------------|---------|
| 08130-13704 | EPROM 2 |
|-------------|---------|

#### Situation:

Instruments which have Firmware REV 1.0, P/N 08130-13701 08130-13702 installed may experience HP-IB and SET problems.

- HP-IB address 10 not possible
- TRA not correct after the SET key/command

The firmware revision you can find out with a controller only!

Example:     DIM A\$ [100]  
              OUTPUT 711;"\*IDN?"  
              ENTER 711; A\$

(Refer to the O/P Manual, Common Commands \*IDN? )

*Continued*

DATE: 14 May 1993

### ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

## INFORMATION ONLY

AUTHOR:

ENTITY:

ADDITIONAL INFORMATION:

MI

B100

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**Solution/Action:**

The problems can be eliminated by installing the new EPROMs P/N 08130-13703 and 08130-13704 --> Firmware REV. 2.0

The EPROMs are Electrostatic Sensitive Devices!

Electrostatic Sensitive Devices are fitted to the circuit boards within the HP 8130A!

Ensure that standard precautions are taken to prevent static electricity discharge!

**To replace the EPROMs on the CPU Board, proceed as follows:**

1. Switch OFF the instrument and disconnect the power cord
2. Remove the following:
  - a. The four rear frame feet
  - b. The cover top cabinet MP7 - one screw center rear, then slide cover to rear
  - c. The left cover side (with the strap handle) - two screws each end of handle, then slide side cover to rear
  - d. The cover top MP8 - screws round the periphery (counter sunk on handle side rail)
3. Find A3 U204 P/N 08130-13701 and U205 P/N 08130-13702 using the board component layout Fig. 6.3-3, page 6.3-17 of the Service Manual. Replace A3 U204 EPROM 1 with P/N 08130-13703 Replace A3 U205 EPROM 2 with P/N 08130-13704
4. Do a functional check. There are no adjustments to be made after replacement!
5. Reassemble the covers by reversing step 2.