**Agilent Technologies**

**Updating the 81130A Software to Firmware Rev. 01.12.00 and BIOS Rev. 4.77:**

**Only possible for:**

    **81130A with FW Rev. 01.00.01 or higher**

    (check this by pressing [HELP] then [SERIAL#])

You need:

- A PC running Windows NT 4.0 or Windows 2000 with a GP-IB interface and the Agilent IO libraries installed

- At least one 2 MB SRAM PCMCIA memory card - an additional 1 MB SRAM memory card is recommended (Agilent p/n 1819-0083 and p/n 0950-3380 or equivalent)


- Connect the pulse generator to the PC and switch on the unit

- Remove the write protection from the 1MB memory card  and insert it into the card reader slot (any data on the memory card will be deleted)

- Execute the program 'WinUpd12.exe'

- In the 'Win Bios Update' window enter the right name of your GP-IB interface and the address of the pulse generator (refer to the picture on page 2)

- Press 'Update BIOS' and open the file '81130A_Bios.04.77.xs'

- Follow the instructions on the screen

- After the reboot of the pulse generator replace the 1 MB memory card with the 2 MB memory card and press 'Update Firmware'

- Open the file '81130.01.12.00.FWB' and follow the instructions on the screen

- When the update has finished successfully press the RESTART softkey on the pulse generator's front

- After the restart an error message may appear - this is normal!

- Switch off the unit and remove the memory card


**The memory cards can now be used to update the software of other units without a PC:**


- Switch off the pulse generator and insert the memory card.

- To update the BIOS: Press the buttons '0' and '7' and hold both of them pressed while switching on the unit. Follow the instructions on the screen.

- To update the Firmware: Press the buttons '1' and '3' and hold both of them pressed while switching on the unit. Follow the instructions on the screen.