

N1913B N1914B Power Meter Firmware Upgrade Process

Updated March 1, 2023

Hardware/Software Requirements

The current hardware requirements for this firmware upgrade are:

- a) A PC running Windows 7® or Windows 10®
- b) A GPIB interface card, LAN connection, or USB port.

The current software requirements for this firmware upgrade are:

- a) A VISA library (e.g. Keysight IO Libraries).
- b) The N1913B/14B Firmware Files for your power meter.
- c) The N1913B/14B Firmware Upgrade Application (FwUpdateApp.exe).

Note: This procedure has not been tested on other versions of Windows.

Obtaining The Software

- The latest version of the Keysight IO Libraries can be obtained from the following link:
[Keysight IO Libraries](#)
- The N1913B/14B Firmware Upgrade Application and firmware can be obtained from the following link:
www.keysight.com/find/pm_firmware
- Save the file to PC hard drive
- The N1913B/14B Firmware Upgrade Application is included in the Zip file
("/util/FwUpdateApp.exe")

Firmware Upgrade Process

Step 1:

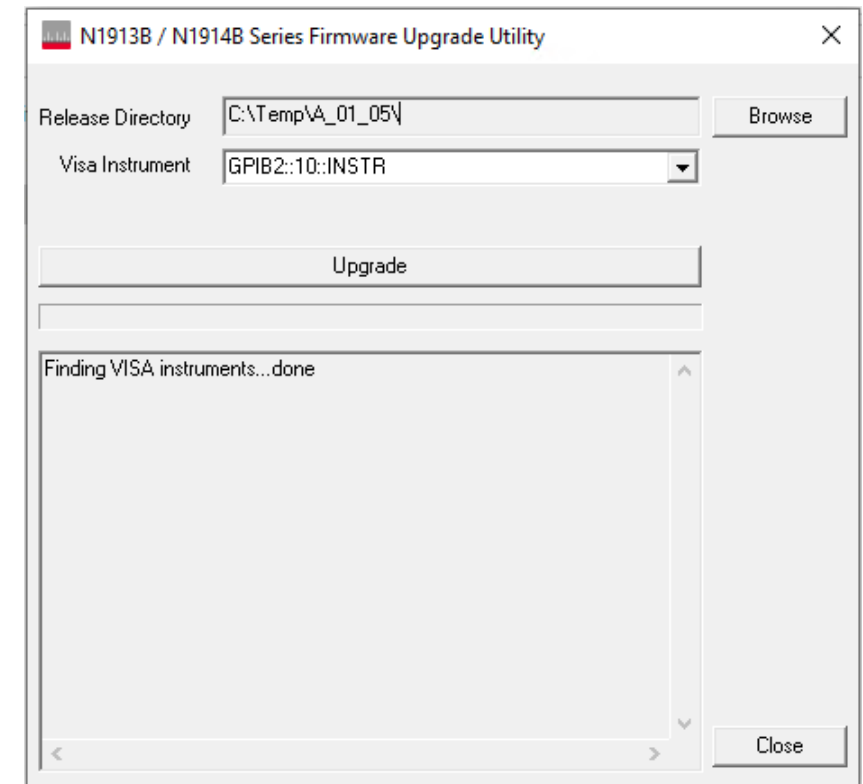
Run the 'FwUpdateApp.exe' application. This does not need to be installed – simply double-click on the file to run it.

Step 2:

Click on the 'Browse' button next to 'Release firmware files reside. Directory', and select the directory in which the firmware files reside.

Step 3:

Click on the drop-down arrow next to 'VISA Instrument' and select the unit to be upgraded.

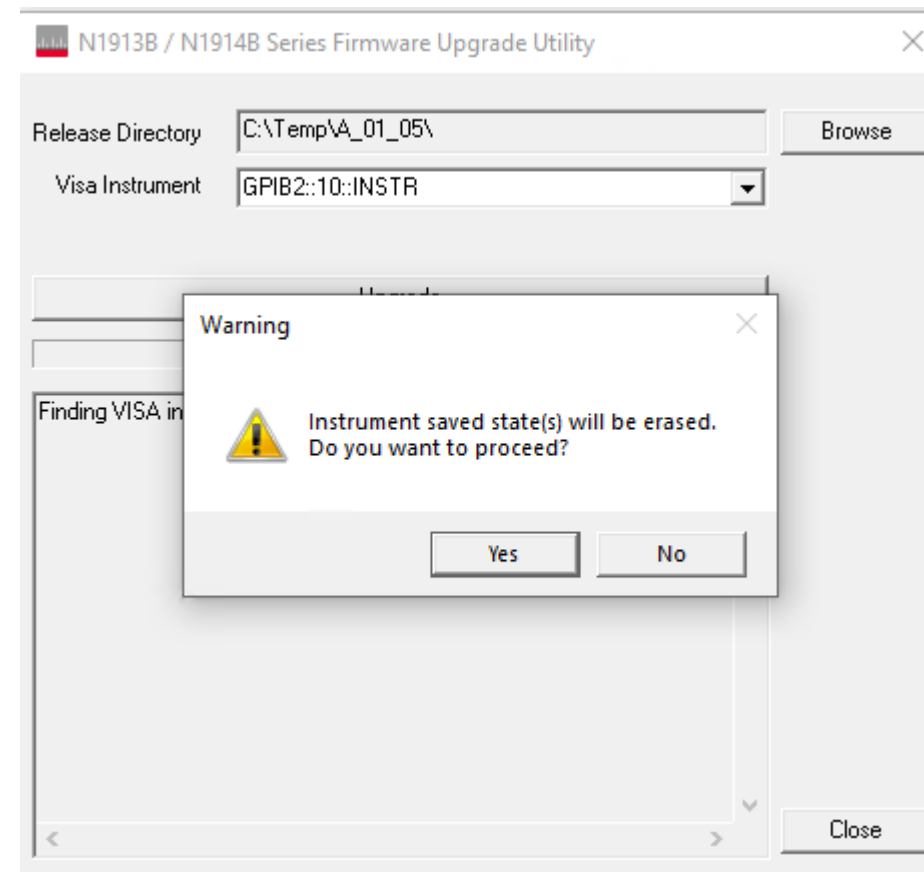


Firmware Upgrade Process

Step 4:

Click on the 'Upgrade' button.

Click 'Yes' on the warning pop-up when asked about instrument saved states.



Firmware Upgrade Process

Step 5:

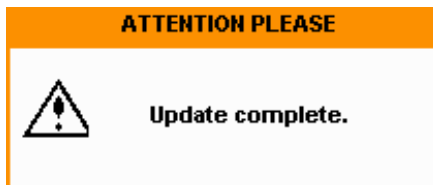
During the upgrade, the power meter will show the following notification on the front panel display.



DO NOT POWER OFF during this time.

The update will take about 7 minutes to complete using USB and LAN interface, and about 12 minutes using GPIB.

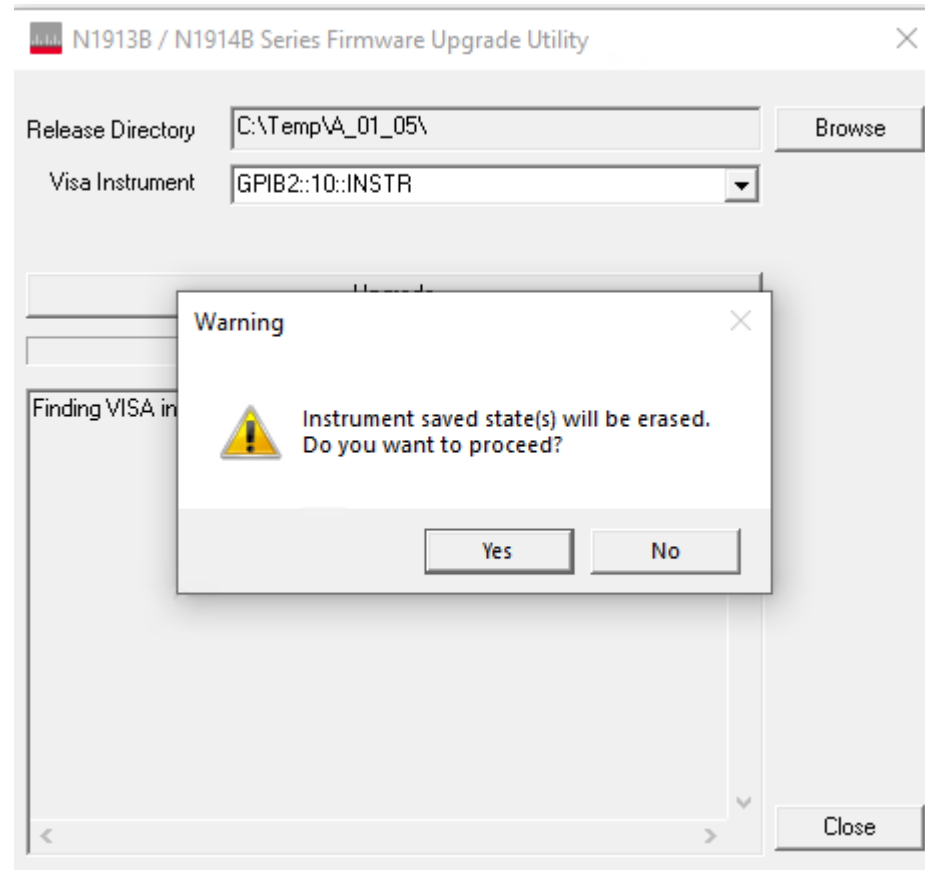
After the upgrade is done, the meter will self-reboot and show the update status as below



Do not press any button during the powering up at this time.

Click 'OK' on the pop-up that appears when the upgrade is complete.

Now, the power meter will automatically execute a power cycle.



You have successfully upgraded the new firmware!