

**Keysight Truevolt 34460A 6 ½ Digit Multimeter**  
**Keysight Truevolt 34461A 6 ½ Digit Multimeter**  
**Keysight Truevolt 34465A 6 ½ Digit Multimeter**  
**Keysight Truevolt 34470A 7 ½ Digit Multimeter**

## **USB Firmware Update Procedure for Non-Windows Operating Systems**

The firmware update utility posted on the 3446xA and 34470A firmware pages provides the ability to update the DMM firmware from a USB drive inserted into the front panel USB port. It does this by creating a folder on the USB drive with the name and files necessary for the update.

The update utility may not function on PC operating systems other than Windows. The following procedure contains the steps for obtaining the necessary files to update the DMM firmware without using the utility.

1. On the firmware web page under '**Add-On Software/Utilities**', select the link:

[Firmware Update 2.14 for Non-Windows Operating Systems](#)

and download the file 34461A.zip.

2. After the download, extract the files (build.xml and NK.bin) to a folder titled 34461A on the root directory of the USB drive.

Note – the extracted files are used by all of the DMMs (34460A/34461A/34465A/34470A). The folder **must** be named **34461A** regardless of the model number of the DMM updated.

3. Insert the USB drive into the front panel port and press:

Shift → Utility → Test/Admin → Firmware Update

If the instrument has the SEC NISPOM and File Security option, the security feature must be unlocked. See 'Prerequisites' on the firmware page for steps to unlock the feature.