**510 Calibration Software Installation Update**

 **NOTE**: Do not connect 510 Calibration box, TL1195, until the LV19 Runtime environment is installed.

 (Install time for LV19 Runtime may take up to 15 minutes)

**NOTE**: Installation update requires an internet connection.

**NOTE:** This instruction is for updating the model 510 “Viatran Adjust” software, SW0147, revision B or earlier. Labview Runtime Engine version 13 is installed with previous versions of SW0147. This instruction requires that a previous a version of Labview Runtime be installed on your computer. If this is a fresh install, please refer to WI1229.

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# LV19 Runtime Environment Update

1. The Labview 19 runtime environment (LV19 RTE) update may be installed offline using Viatran USB stick TL1394 or on-line from the National Instruments website.

**Off-line Update (requires Viatran TL1394):**

* Extract the file “LV19 SP1 RTE for Offline Installation” from the supplied USB stick, TL1394, to the target computer.
* Navigate to the directory of extracted files on the target computer.
* Double click on the file“ni=labview-2019-runtime-engine-x86\_19.1\_offline” in the directory of extracted files to begin the installation.
* Continue at step 4.

**On-line Update**: Navigate to the following website by clicking on the link or copy and pasting in your browser.

<https://www.ni.com/en-us/support/downloads/software-products/download.labview.html#346878>

Continue with step 2.

1. The link will take you to a web page similar to Figure 1. Make the selections indicated in the **red boxes** in **Figure 1**. When you have made these selections, press the **“DOWNLOAD”** button shown next to the **red arrow** in the figure.



**Figure 1 Labview Runtime Engine Download Screen**

1. **NI Package Manager** is required to install Labview software. If your computer does not already have NI Package Manger, it will be **downloaded automatically** during the LV19 installation process. You will need to **run** the downloaded **executable file** to launch the NI Package Manager and **install** the software. This is done by navigating to the **Downloads folder** in **File Explorer** and double clicking on the downloaded file “ni-labview-2019-runtime-engine-x86\_19.0\_online\_repack3”.
2. If applicable, **accept** the license agreement for the NI Package Manager at the prompt and click “**Next**” and “**Next**” again.
3. The license agreement for Labview Runtime will appear. **Accept** the license agreement at the prompt, click “**Next**” and “**Next**” again.

6. When prompted **restar**t computer to successfully complete installation.

# 510 Calibration Interface Installation

7. Attach **510 Calibration Box** to the computer via USB Cable.

1. Using the **Device Manager**, find the category labelled “**Data Acquisition Devices”**
2. Expand **“Data Acquisition Devices”** and verify“**USB-6009**” is listed. (**See Figure 2**)



**Figure 2 LabUSB-6009 in Device Manager**

1. If **USB-6009** is not listed, see **WI1229**.

# 510 Calibration Set-up – “Viatran Adjust” Software

11. The “Viatran Adjust” software, SW0147, may have been supplied on a flash drive as TL1394, downloaded from the Viatran website or via email. Copy the file or folder named “ **Viatran Adjust”** to the host PC. If the software is in condensed format such as a zip file, it should be extracted. The extracted folder may be placed directly on the root drive ( C:\ ).

12. The 510 calibration software may be started by double clicking on “**ViaAdjust** “ application.

13. See **WI1230** for instructions on using this application.