

Instruction Sheet

Thermo Scientific Orion Versa Star Pro Meter USB Driver Installation and Software Update Procedure

Thermo Scientific™ Orion™ Versa Star Pro™ meters have been designed to allow operators to update the meter software as needed by connected the meter to a computer using the USB computer cable included with Orion Versa Star Pro meters.

The operator must have full administrative computer access to perform the software update. The software update has been designed to work with Microsoft® Windows® 7 and 8 operating systems. The computer must have the latest Windows updates installed and .NET framework version 4.0 or higher. Although we are continuously striving to ensure the compatibility of our software with most operating systems, we cannot ensure compatibility with all systems.

Back up all stored data in the meter and record meter settings before updating the meter software. The meter will be restored to the factory default settings once the software update is completed and the data log and calibration log will be reset.

For comprehensive information on meter and module system setup, operation and advanced features, refer to the Orion Versa Star Pro meter user manual on www.thermofisher.com.

IS-VSPSWUPDATE-E Revision A
Revision Date: January 29, 2019

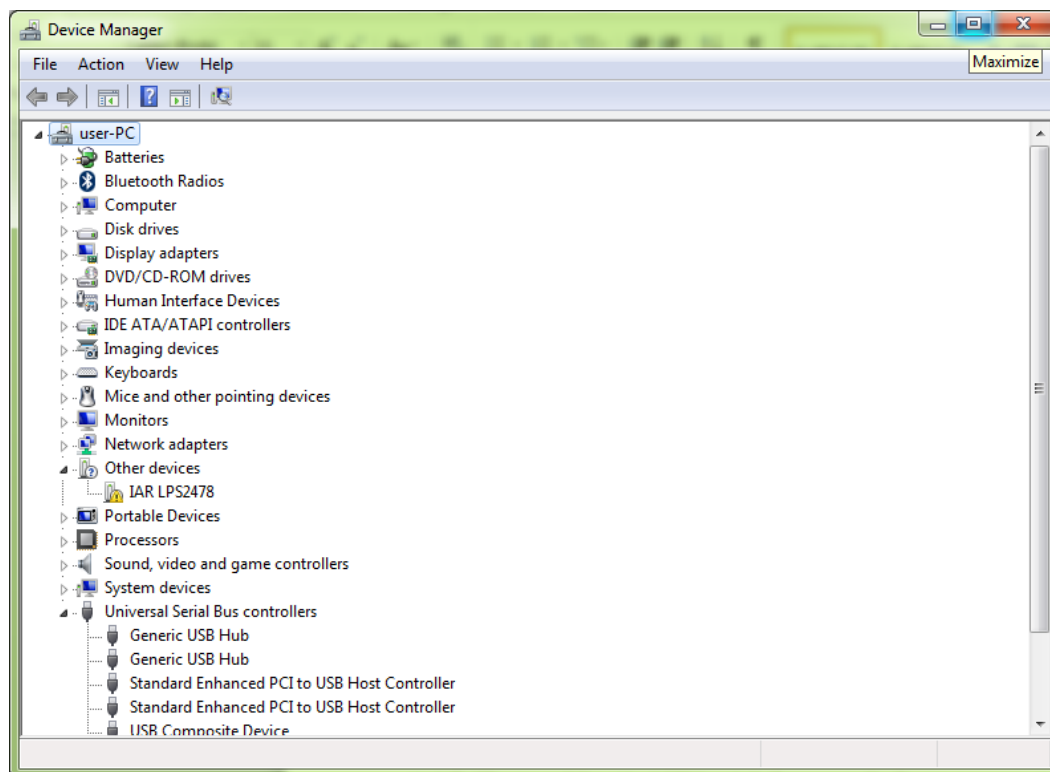
USB Driver Installation Procedure

System Requirements

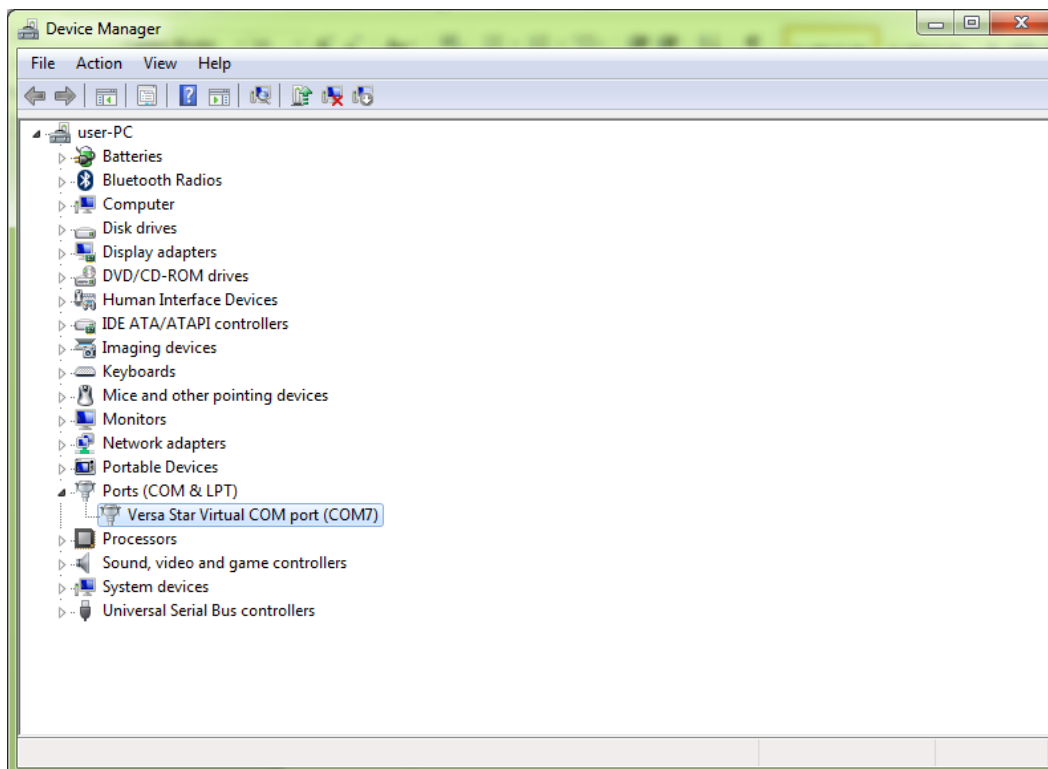
- Ø This driver is supported for Microsoft Windows 7, 8 and 10 operating systems
- Ø The computer must be up-to-date with the latest Microsoft software updates
- Ø You must have full administrative access for the computer

USB Driver (Virtual COM Port) Installation

1. Download the Versa Star USB driver at www.thermofisher.com/orionsoftware, save the file to the computer's C drive and unzip/extract the folder onto the C drive.
2. Connect the power adapter to the meter.
3. Connect the USB cable (included with meter) to the mini USB input on the meter and then connect the cable to the USB input on the computer.
4. Once the cable is connected, the computer will search for the software driver and either fail to find the driver or install a default driver.
5. Navigate to the computer's Device Manager and find the device name starting with "IAR". Right-click this device and select the "Update Driver Software" option.



6. From the Update Driver Software window, select the “Browse my computer for driver software” option.
7. Click the Browse button and set the location to where the unzipped/extracted file was saved on the computer’s C drive.
8. Select the “Install” option and wait while the software is installed.
 - a. If a warning message appears, select the “Install anyway” option.
 - b. If driver installation fails when using Windows 10, see the next section for instructions on how to temporarily disable driver signature requirements on the computer before installing the driver.
9. Once the installation is complete, close the installation window.
10. Use the computer Device Manager to determine that the software installed properly and record the COM port location of the USB cable.



11. The meter is now able to transfer data to the computer using the virtual COM port and Orion Navigator Pro computer software, HyperTerminal or similar program.

Temporarily Disabling Driver Signature Requirements for Windows 10

1. Press and hold the Shift key on the computer's keyboard and click the Restart button in the Start menu.
2. The Advanced Startup Options screen will be displayed. Click the Troubleshoot button, click the Advanced Options button, click the Startup Settings button and then click the Restart button.
3. The Startup Settings Press screen will be displayed. Press the F7 key to select the "Disable driver signature enforcement" option from the list.
4. The computer will restart. Follow the driver installation instructions from the previous section.
5. Once the driver is fully installed, restart the computer to reenable the driver signature requirements.

Orion Versa Star Meter Software Update Procedure

System Requirements

- Ø The software update is supported for Microsoft Windows 7 and 8 operating systems
- Ø The computer must be up-to-date with the latest Microsoft software updates and .NET framework version 4.0 or higher
- Ø You must have full administrative access for the computer
- Ø Install the Versa Star USB driver before performing the meter software update

Versa Star Pro Meter Software Update Installation

Note: Back up all stored data in the meter before updating the meter software.

1. Download the latest meter software revision at www.thermofisher.com/orionsoftware, save the file to the computer's desktop and unzip/extract the folder onto the desktop. Note that the file must be extracted before it can be used.
2. Disconnect the power adapter from the meter.
3. Connect the USB cable (included with meter) to the mini USB input on the meter and then connect the cable to the USB input on the computer.
4. Press and hold down the **f1** key on the meter keypad and then connect the power adapter to the meter.
 - a. Note that the meter display will not turn on.
5. After about five seconds, a new NGM_TITAN folder will appear on the computer (for example, an E: drive folder). Open the folder and then release the **f1** key on the meter keypad.

- a. If a folder does not appear on the computer, go to the computer's Start menu, select Computer or My Computer, look for an option similar to the example above and open the folder.
6. Delete the firmware.bin file from the NGM_TITAN folder.
7. Copy and paste the new file from the computer's desktop to the NGM_TITAN folder and wait for the file to transfer completely (about one minute).
8. Disconnect the power adapter and USB cable from the meter.
9. Reconnect the power adapter to the meter and ensure uninterrupted power to the meter throughout the update process.
10. Wait for the meter to load the software update. As needed, the software of the modules connected with the meter will be automatically updated immediately after the meter software is complete.

Technical Support

For any questions or if you require assistance, please contact your local Technical Sales Representative, Product Specialist or Technical Support Team.

Americas Technical Support Team

1-978-232-6000

1-800-225-1480 (US toll-free)

wlp.techsupport@thermofisher.com

Europe Middle East Africa Technical Support Team

0049 6184 90 6321

00800 1234 9696 (free hotline from D, A, CH, F, UK, IRL)

techsupport.labproducts.eu@thermofisher.com

Asia Pacific Technical Support Team

(65) 6778-6876

customerservice.sg.wai@thermofisher.com