

Software Installation Guide

for Thermo Scientific Dionex Ultimate 3000 RSLCnano with ProFlow Meter

SII for Xcalibur 1.2 • January 2016

Thermo SCIENTIFIC

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1 Introduction

1.1 General

Thermo Scientific™ Standard Instrument Integration (SII) for Xcalibur™ is an interface driver for controlling Thermo Scientific LC and IC instrumentation. SII for Xcalibur has been designed in such a way that new drivers may be added in many cases without needing a new installation or an upgrade to SII for Xcalibur.

This guide describes the steps required to add support of the UltiMate 3000 RSLCnano with ProFlow Meter to SII for Xcalibur 1.2.

1.2 Prerequisites

This guide assumes that SII for Xcalibur 1.2 has been installed successfully and is verified to be operating correctly. Consult the document **Installation Guide – SII for Xcalibur 1.2.pdf** located on the **SII for Xcalibur** dvd or disc image under the **Documents** folder for information regarding installation of SII for Xcalibur.

In order to add the UltiMate 3000 RSLCnano with ProFlow Meter to SII for Xcalibur 1.2, the user must have a copy of Thermo Scientific Dionex™ Chromeleon™ 7.2 Service Release 4 (SR4) Chromatography Data System.

2 Installation and Configuration Steps

1. Insert the Chromeleon 7.2 SR4 DVD into the DVD drive, then run **Setup.exe** as a local administrator.
2. If any warning messages pertaining to Foundation 3.1, incompatible versions of the TSQ Quantiva Endura driver, or incompatible versions of the Exactive Series driver appear, click **Ignore**.

Note: You may encounter a warning (see Figure 1 for sample of warning message) if any of the following is installed on your PC:

- Thermo Scientific Foundation 3.1
- Thermo Scientific TSQ Quantiva or Endura driver newer than version 1.1 SP1
- Thermo Scientific Exactive Series driver newer than version 2.6

This only affects the underlying Chromeleon application if Chromeleon is to be used to control a mass spectrometer. This does not affect SII for Xcalibur.

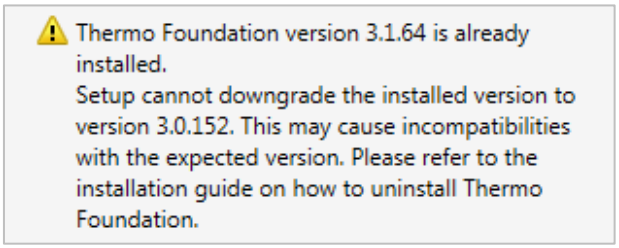


Figure 1: Sample of warning message indicating potential incompatibilities with the underlying Chromeleon application

3. Accept the license terms and conditions, then start the installation.
4. Accept any user access control prompts which may appear. Note that the installation requires a restart of the computer.
5. Verify that the installation was successful and close the installation dialog.
6. Open **Foundation Instrument Configuration**.
7. Under **Configured Devices**, select **Thermo Scientific SII for Xcalibur.** Click **Configure**.
8. Select the instrument to configure and click **Configure Device**.

Note: In most cases, there will only be one existing instrument to configure. If multiple instruments are configured, select the appropriate one from the dropdown list. If no instrument is configured, consult the *Installing Hardware* section of the *SII for Xcalibur 1.2 Installation Guide*.

9. In the **Chromeleon Instrument Configuration Manager**, right-click on the instrument, then click **Add Module….**
10. Under **Manufacturers**, navigate to **Thermo Scientific -> HPLC: Dionex UltiMate 3000**. Under **Modules**, select **NCP-3200RS Nano/Cap Pump** or **NCS-3500RS Nano/Cap System** and click **OK**.

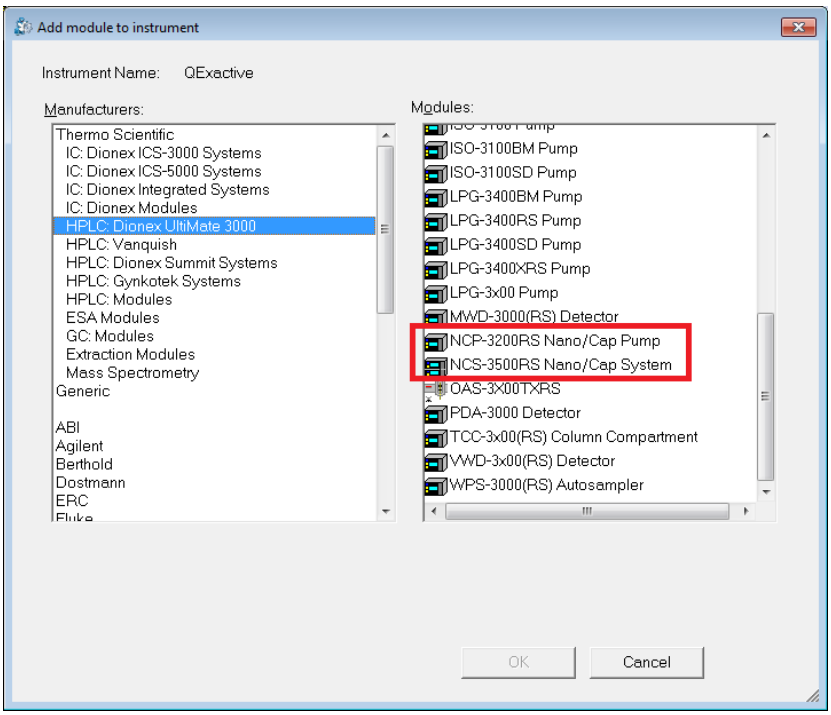


Figure 2: Module selection dialog

11. Click on the **Flowmeter** tab of the module configuration and verify that the **Flowmeter Type** is set to **ProFlow**.

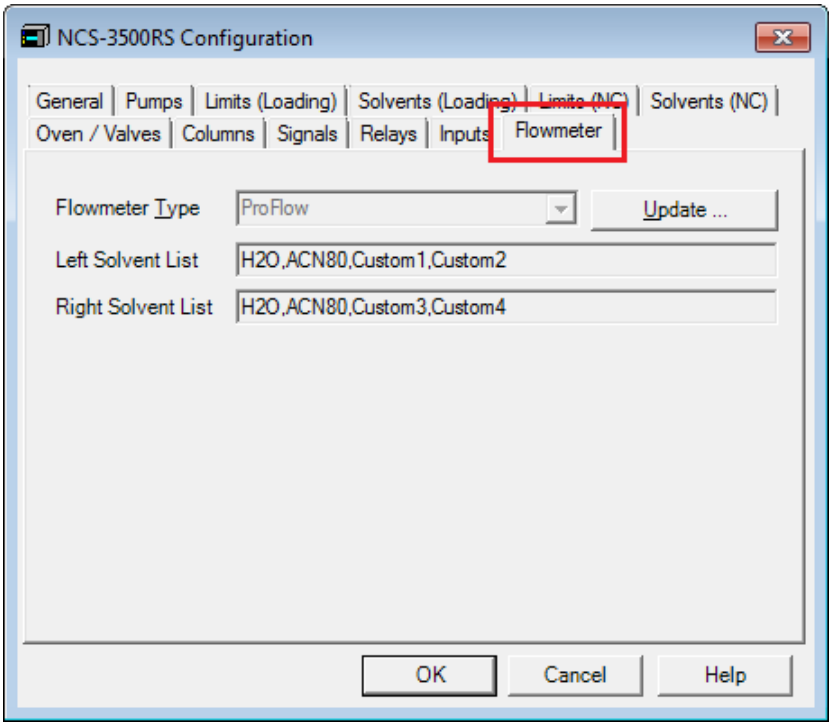


Figure 3: Verifying the flowmeter type

12. Consult the installation guide for the UltiMate 3000 RSLCnano to configure and complete the installation of the new module.

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