



MyInstrument add-on for The Unscrambler®

v. 9.7

User Manual



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MyInstrument is an instrument interface standard developed by Thermo Electron Corporation.

Note

Information in this document is subject to change without notice. Some of the screenshots may appear different depending on the vendor.

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The MyInstrument add-on for the Unscrambler 9.7

The MyInstrument add-on for The Unscrambler provides users with the ability to directly acquire spectra from their spectrometers into the Unscrambler software. The acquisition process makes use of the MyInstrument standard to allow for instrument configuration and definition of experiments in order to run scans. After acquisition the spectral data is directly inserted as rows per scan into an Unscrambler editor, ready for further processing or modeling. The MyInstrument add-on removes the need for acquiring data using instrument specific software, exporting to a file and subsequently importing the data from a file into The Unscrambler. It provides a more direct data channel for method development, as well as for prediction.

Installation

The MyInstrument add-on for The Unscrambler 9.7 is distributed as a standalone executable installer (Setup.exe). Run this installer and follow the instructions to install. Please note that administrative privileges are required for installation of the software.

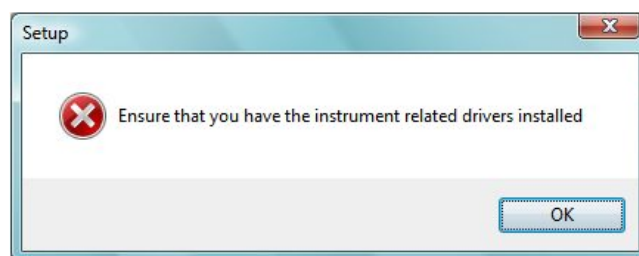
Requirements

The MyInstrument add-on for The Unscrambler 9.7 requires the following to be installed on the computer before installation can take place:

1. A valid installation of The Unscrambler version 9.7

The MyInstrument add-on install program will look for an Unscrambler 9.7 installation and will not proceed if The Unscrambler 9.7 is not installed.

2. The MyInstrument drivers for the specific spectroscopic instrument must be present. If instrument specific drivers are not present, the following message will appear:

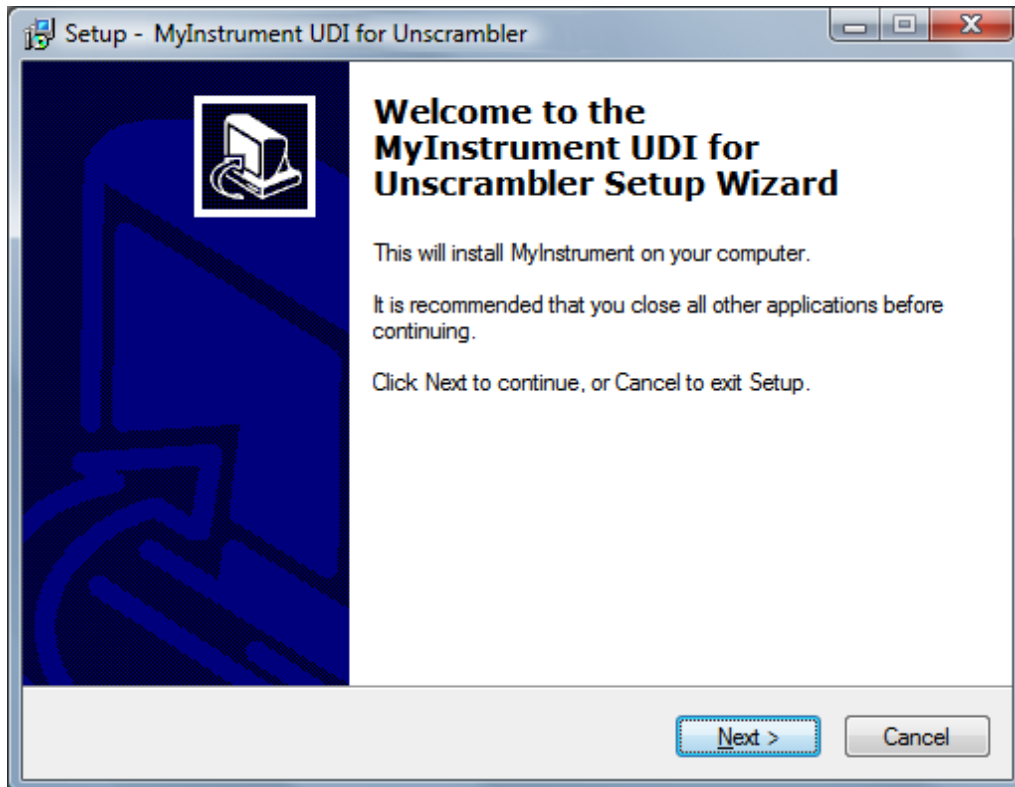


3. Sufficient disk space on the system (at least 2.4 MB of free disk space).

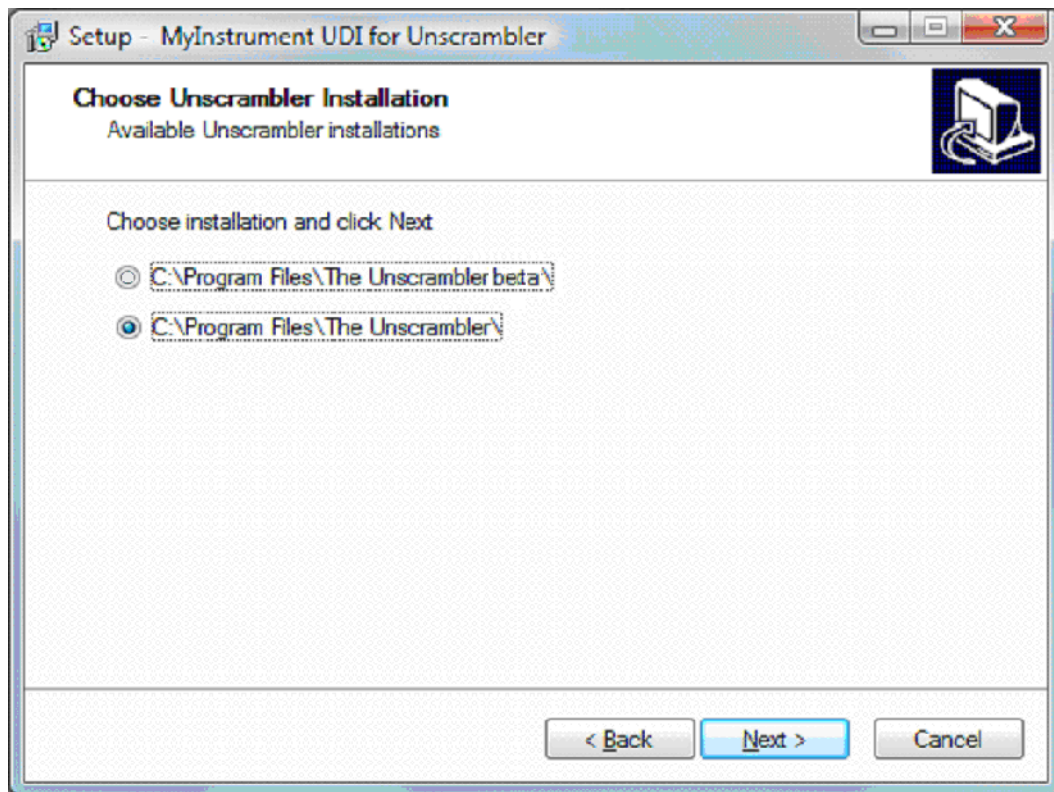
Steps

If the requirements for installation are met, the installation will proceed. Installing the MyInstrument add-on is a straightforward procedure and is described in further detail as follows.

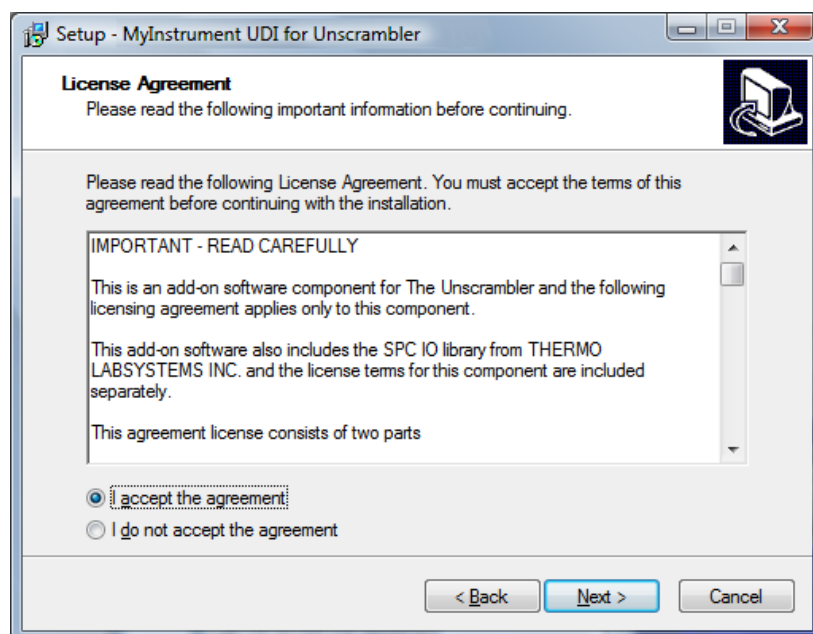
1. You would now have the installer of the MyInstrument add-on either obtained from the website of CAMO (or its associates) or on other media. Copy the installer to your computer in a temporary folder. This file is typically named as **Setup.exe**.
2. Double click on the file **Setup.exe** to start the installation.
3. The MyInstrument Setup Wizard is launched, recommending that you close all other current applications on your PC, and you are just continuing with NEXT. Some vendor specific information may be different in the text that you will see.



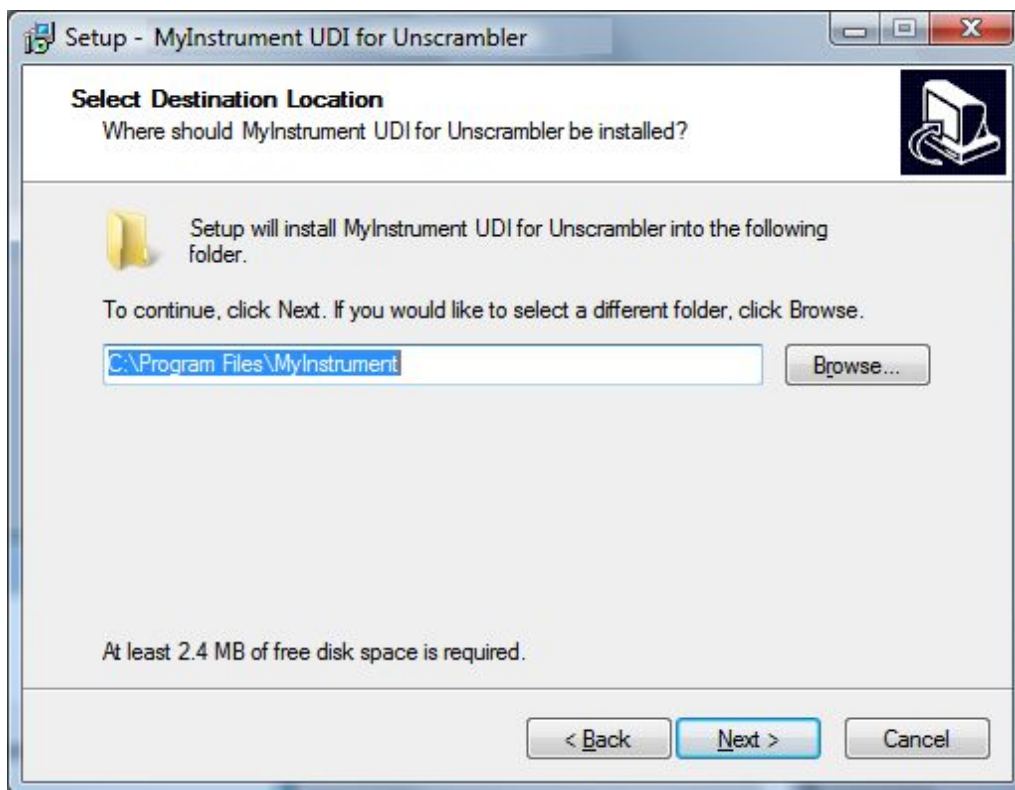
The next dialog will be shown **only if** you have multiple Unscrambler installations on your system. You need to select the installation in which you want to install the add-on. Then choose NEXT to continue.



4. The next dialog shows the license terms. Please read these carefully. The license text will also be saved into the installation folder for your future reference. Click on the first radio button to accept the agreements, then pressing NEXT to continue. Otherwise the installation process will be interrupted.

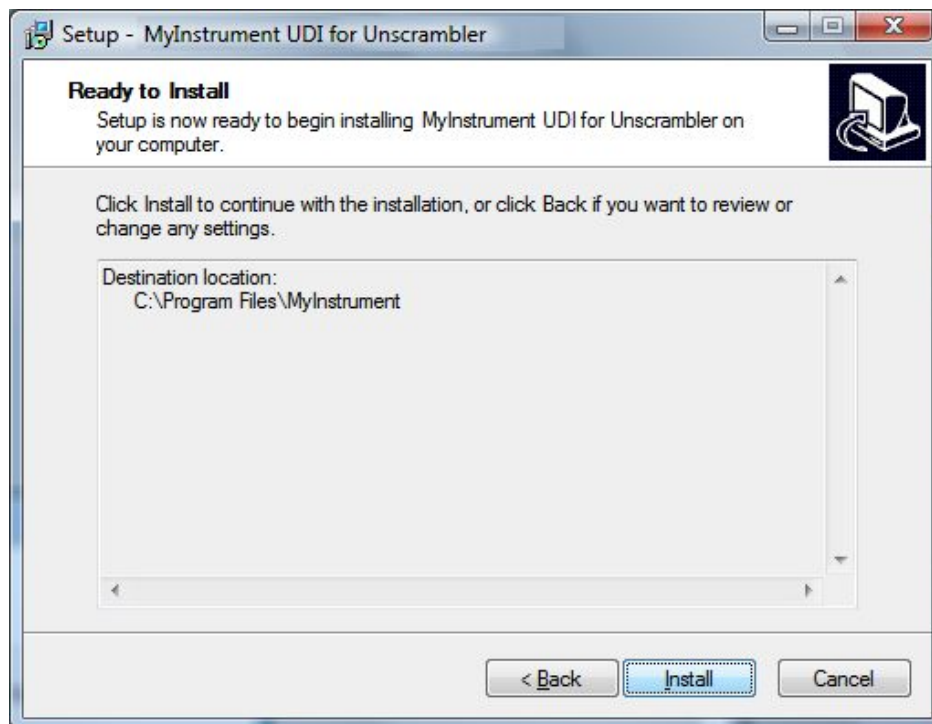


5. Choose the installation destination or use the default path suggested.

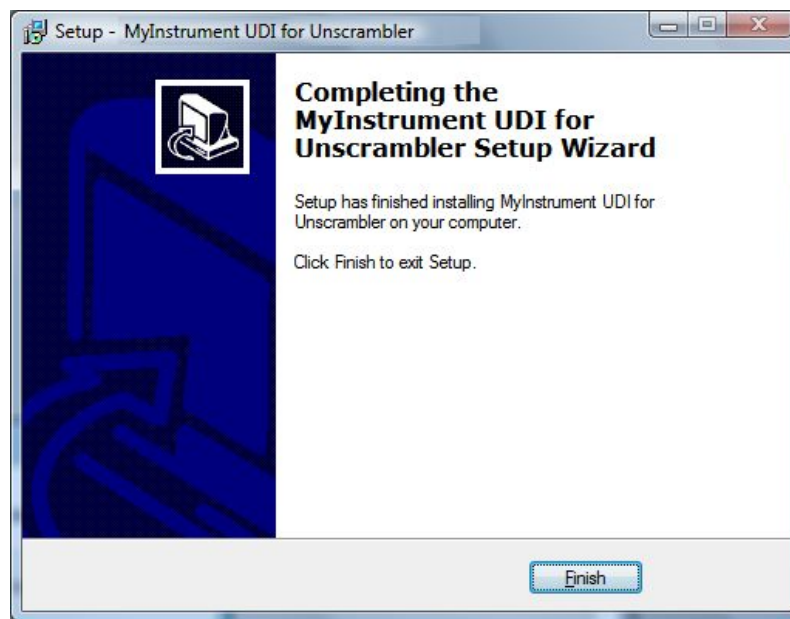


Browse to choose path and then press Next to continue.

6. In this dialog the chosen information is displayed for confirmation. Click INSTALL to confirm and proceed with installation.



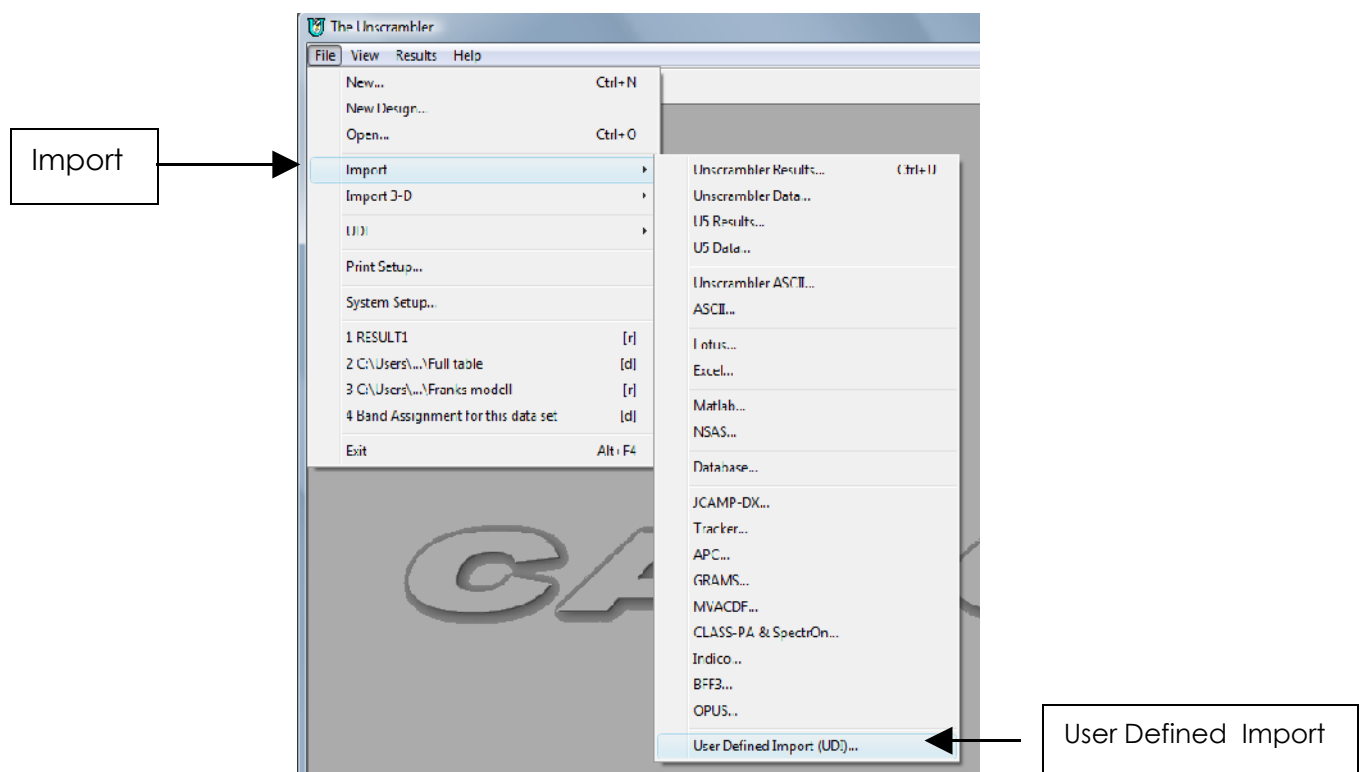
7. When the setup is complete click finish.



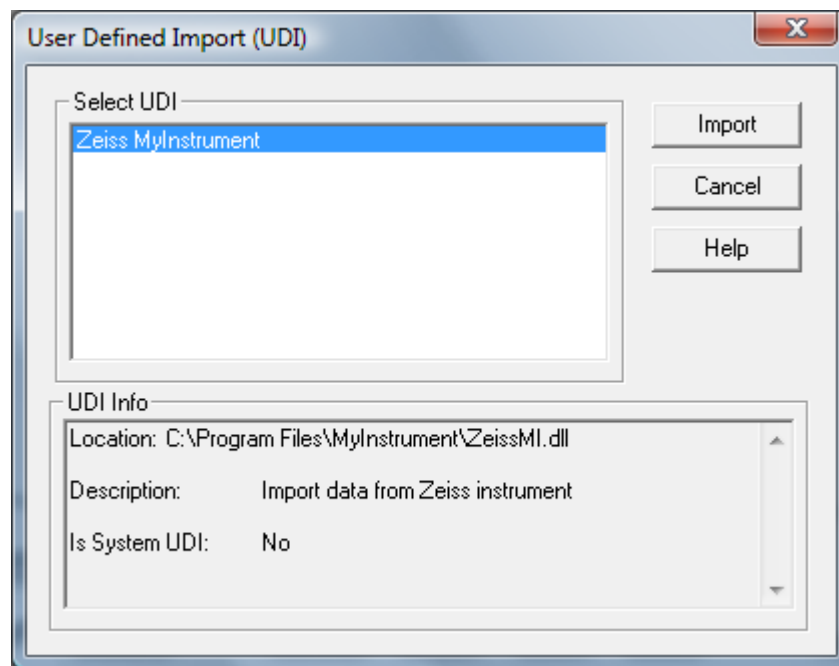
Working with the MyInstrument add-on

Start a session in the Unscrambler and use the menu

File -> Import -> User Defined Import (UDI) as shown in the next picture to use the Add-on.



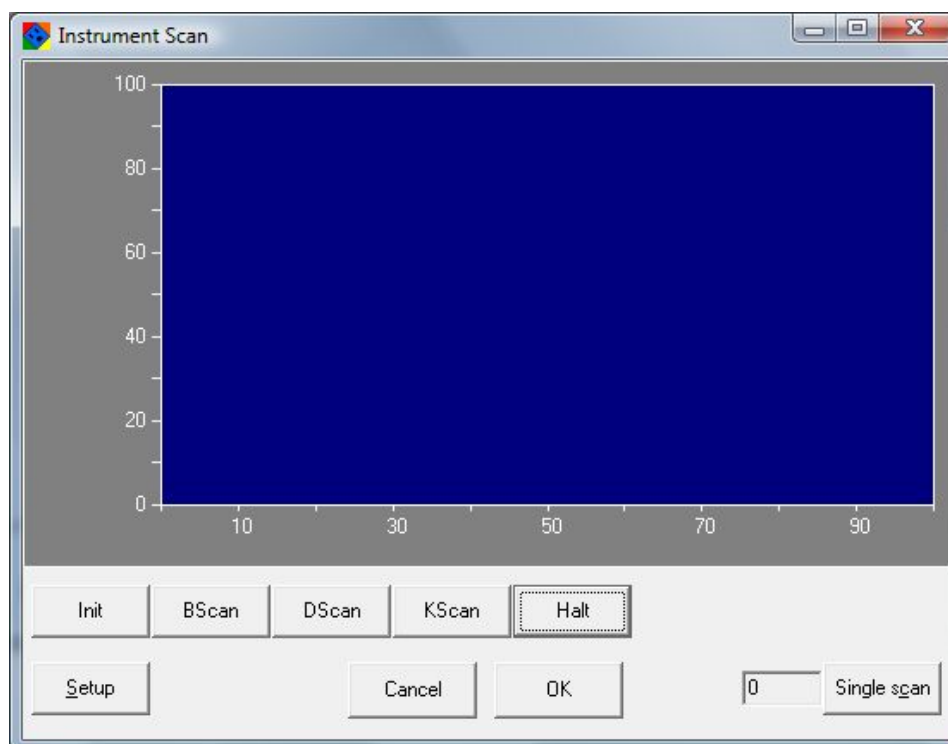
The next window will show the specific MyInstrument Add-on, e.g. for a Zeiss instrument:

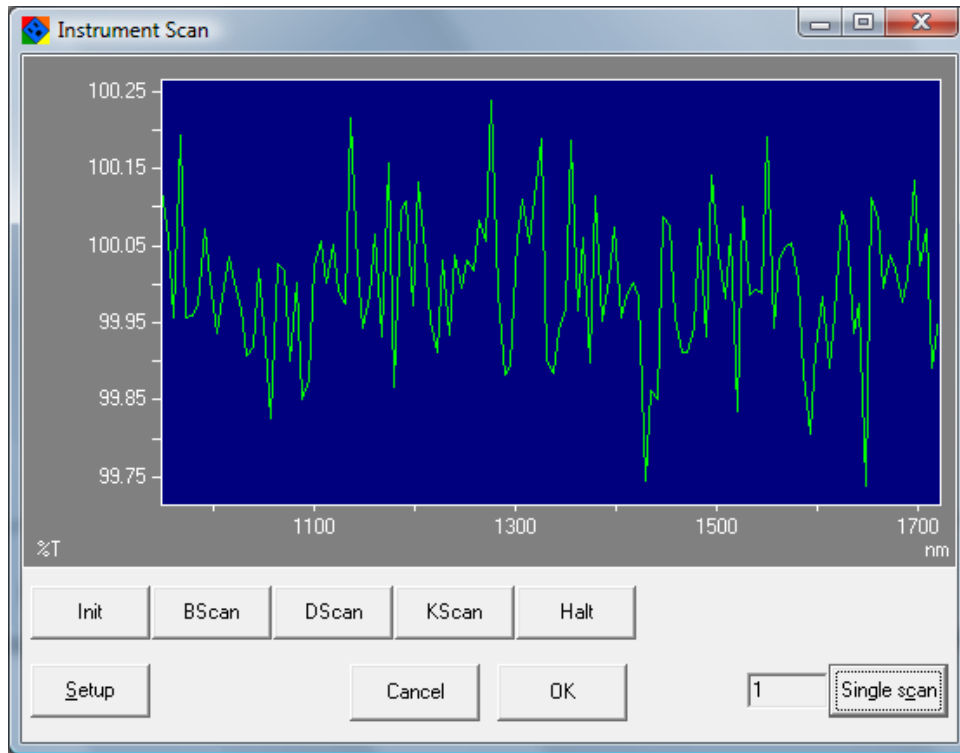


Now select the desired MyInstrument add-on and click on IMPORT.

The appearance of the following dialogs will depend on your instrument vendor. Details of using the instrument interface will be available in the manuals provided by your instrument vendor.

Using the instrument may require you to follow specific configuration and setup procedures before being able to run scans.





A sample scan result. This may appear entirely different for your instrument.

Click OK to end the scan acquisition session. The scans should now be available within the Unscrambler editor for subsequent processing and modelling.

The 'The Unscrambler - F1 F2' window shows a data table window titled 'ILL2'. The table contains 6 rows of data (00C01 to 00C06) and 9 columns of numerical values. The CAMO logo is visible in the background of the main window.

		948.000	954.100	960.200	966.300	972.400	978.500	984.600	99
	1	2	3	4	5	6	7	8	
00C01	1	99.9760	99.9000	99.8922	100.2122	100.0400	99.8801	99.9120	10
00C02	2	99.9900	100.0460	100.2060	100.2582	100.0440	100.0050	99.9750	10
00C03	3	99.9760	100.1700	100.0110	100.1982	99.9820	99.8821	99.8731	10
00C04	4	100.0800	99.9040	99.9181	100.1021	100.0680	99.8731	99.9360	10
00C05	5	100.0200	100.0040	99.9421	100.1041	100.0140	100.0519	99.9600	10
00C06	6	100.1040	100.0040	99.9902	100.1961	100.0000	99.9070	99.9510	10