SISpectroActon.ini Setup

Acton spectrographs are defined using the SISpectActon.ini file that resides in the same folder as the SIToolKit dll and r3x files (usually C:\Program Files\National Instruments\LabVIEW x.x (where x.x is the LabVIEW version). This file contains information that is not available from the spectrometer. You can modify the file to fit your specific instrument. Note that the values set should be within double quotes. The values shown here are for example only and should be modified as needed to fit your spectrograph.

[Acton1] This is a required key. Use Acton1, Acton2, etc.

Name="Acton SP275" This is the user name for the spectrograph

ModelID="2" This is the model number for the spectrograph. Current models supported are:

1 = SP150	6 = SP750
2 = SP275	7 = SP750i
3 = SP300i	8 = 320PI
4 = SP500	9 = InSpectrum
5 = SP500i	10 = AM505

For derivatives of these models, use the focal length portion to determine the ID. For example an SP2300 uses the same ID as an SP300i.

NumTurrets="1" The number of turrets available for this spectrograph. A turret is a set of gratings that can be removed and replaced by another set of gratings. When multiple turrets are available, the instrument keeps default values for all gratings of all turrets so this value is used to determine which values are to be used. Most users have only one turret.

Some spectrographs allow for user settable timeout values. These are always set in milliseconds. Not all timeouts are available to all spectrometers.

InitializeTimeoutInMs = 1000 The amount of time to wait for the initialize to complete

GratingChangeTimeoutInMs = 60000 The amount of time to wait for a grating change to complete

GratingMoveTimeoutInMs = 60000 The amount of time to wait for a wavelength move to complete

SlitChangeTimeoutInMs = 20000 The amount of time to wait for a slit move to complete

MirrorChangeTimeoutInMs = 10000 The amount of time to wait for a mirror move to complete

ShutterChangeTimeoutInMs = 5000 The amount of time to wait for a shutter move to complete.

FilterChangeTimeoutInMs = 20000 The amount of time to wait for an internal filter move to complete.