

**FAQ 05-01 What software is included with the SQM-242 card ?
What does the optional SQS-242 Software do ?**

What software is included with the SQM-242 card ?

The SQM-242 card includes several basic programs for setup and operation, some sample programs in Visual Basic and LabView, and source code which you can modify to suit your needs.

SQM-242 Co-Dep Program

This program sets up and runs one or two SQM-242 cards, to run from 1 to 8 quartz crystal sensor inputs. If an optional SAM-242 card is installed, up to 4 of the inputs can be analog inputs, which can be used to control heaters, gas flow, or other process variables.. Any input can be mapped to any of 4 outputs. Outputs provide control of up to 4 sources for co-deposition of up to 4 materials. Or outputs can be used for recording rate, thickness, power, or voltage. Film setup parameters and deposition rate data can be saved to disk. A simulate deposition mode is provided for developing and testing film setups.

SQM-242 Monitor Program

This program sets up and runs a single SQM-242 card to simply monitor 1 to 4 quartz crystal sensors. No outputs are enabled.

SQM-242 Multi Program

This program sets up and runs up to 6 SQM-242 cards, 24 quartz crystal sensor inputs, 12 outputs, and 4 analog inputs (if a SQM-242 card is installed). Up to 12 materials can be co-deposited with this program.

What does the optional SQS-242 Software do ?

The optional **SQS-242 Software** provides some very useful additional functions, the most visible being the graphical display of the process, instead of just tables of data. The SQS-242 software allows setting up processes with multiple layers, pre-and post-conditioning, rate ramps, and primary & secondary dual sensors. This software also provides extensive digital I/O, using an external PLC, to operate shutters, indexers, etc. The SQS-242 software will setup and run up to 24 quartz crystal sensors and 12 outputs, with co-deposition of up to 6 materials.

The next FAQ [05-02 "Software Comparison - SQM-242 and SQS-242"](#) provides a more detailed comparison of these software programs.