

FAQ 05-02 Software Comparison - SQM-242 and SQS-242
How do these software programs compare?

The SQM-242 Co-Deposition PCI Card includes several software programs at no charge. These free programs provide basic measurement, control, and data logging functions. Source code is included for these free programs, so you can customize them as needed. Sample LabView and Visual Basic programs are included to help you get started.

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

SQM-242 Co-Dep: 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. Any input can be mapped to any of 4 outputs. Up to 4 materials can be co-deposited with this program.

SQM-242 Multi: 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.

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.

Program	SQM-242 Monitor	SQM-242 Co-Dep	SQM-242 Multi	SQS-242
	included with SQM-242 card			optional
Maximum Number of Sensors	4	8	24	24
Maximum Number of Outputs	N/A	4	12	12
Maximum Number of Co-deposited Materials	4	4	12	6
Display Data	Yes	Yes	Yes	Yes
Graph Data	No	No	No	Yes
Log Data to File	Yes	Yes	Yes	Yes
Save Setup to File	Yes	Yes	Yes	Yes
Multiple Layers	No	No	No	Yes
Pre- & Post- Conditioning	N/A	Manual	Manual	Yes
Rate Ramps	N/A	No	No	Yes
Sensor Error Detection	No	No	No	Yes
Auto/Manual Power	N/A	Yes	Yes	Yes
Primary & Secondary Dual Sensors	No	No	No	Yes
Digital I/O (shutters, indexers)	No	No	No	Yes (PLC)
Source Code (Virtual Basic)	Yes	Yes	Yes	No
Cost	Free	Free	Free	\$995

All our software can be downloaded from our website, or supplied on a CD, if you prefer. You can run all the programs on your own computer in simulate mode, and decide which one is best for you.