INFICON

Q-pod™
Quartz Crystal Monitor

THE CAPABILITIES OF A TRADITIONAL QCM AT A FRACTION OF THE SIZE AND COST

The INFICON Q-pod™ transducer is a small, inexpensive, accurate way to measure thin film deposition rate and thickness. Setup and operation couldn't be easier. Connect the Q-pod BNC connector to the signal cable from a QCM sensor. On the other side, a standard USB cable connects to your PC. No external oscillator or power source is required. Load the free Q-pod software on your PC and you're ready to go. Q-pod software displays rate, thickness, frequency, crystal life, and a graph of rate versus time, for up to eight Q-pods simultaneously. Q-pod readings can be logged to disk in spreadsheet friendly comma-delimited format.

FEATURES AT A GLANCE

- Simplest and least expensive QCM available anywhere.
- Connect directly to your PC's USB ports—up to eight Q-pods.
- Windows®-based software included for operation and data logging.
- Weighs less than 2 ounces and small enough to fit in a shirt pocket

Q-POD SOFTWARE

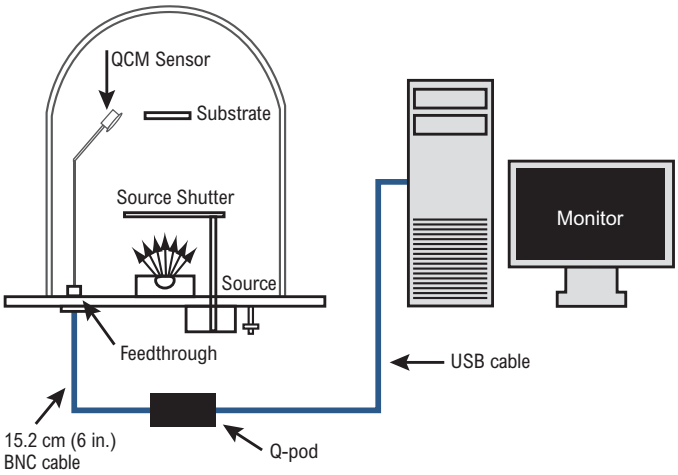
The screenshot at right shows the main setup and operating screen of the software included with the Q-pod. The software supports up to eight Q-pods on one PC. (Each Q-pod requires one available USB port.)

Q-POD—A SIMPLE QCM

The block diagram at right shows a typical thin film deposition system. A complete Q-pod system consists of Q-pod, a sensor and feedthrough, and a computer.

Typical Q-pod system:

- Q-pod transducer
- sensor
- feedthrough, 1 in. (2.54 cm) bolt or 2 3/4 ConFlat®
- crystals, 10-pack



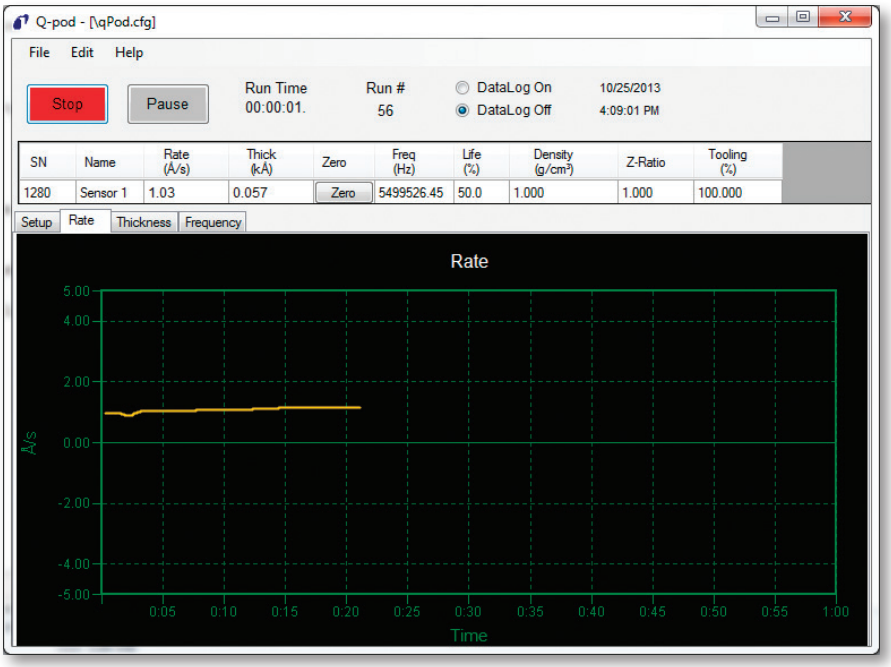
SPECIFICATIONS

Sensor	Compatible with any non-shuttered single QCM sensor
Frequency Range	1 to 6.1 MHz
Frequency Resolution	0.05 Hz at 6 MHz (0.5 s measurement period)
Frequency Accuracy	0.002%
Frequency Stability	±2 ppm total, over 0º to 50ºC
Input	BNC
Interface & Power	USB, v2.0 or later
Size	25 x 50 x 64 mm (1 x 2 x 2.5 in.)
Weight	32 g (2 oz)
Software included	Provides display and setup of all operating parameters
Computer requirements	Any PC running Windows® XP, 2000, 7 with one available USB port for each Q-pod

ORDERING INFORMATION

Q-pod	QCM Transducer, includes:
	• Windows®-based software for setup and operation
	• QCM sensor simulator/tester
	• 15.2 cm (6 in.) BNC cable (connects the Q-pod to the feedthrough)
	• 3 m (10 ft.) USB cable (connects the Q-pod to your PC)

A full line of QCM crystals, sensors, feedthroughs, and other accessories are available for use with Q-pod.



Q-pod software supports up to eight Q-pods on one PC.

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