QCM-I Net

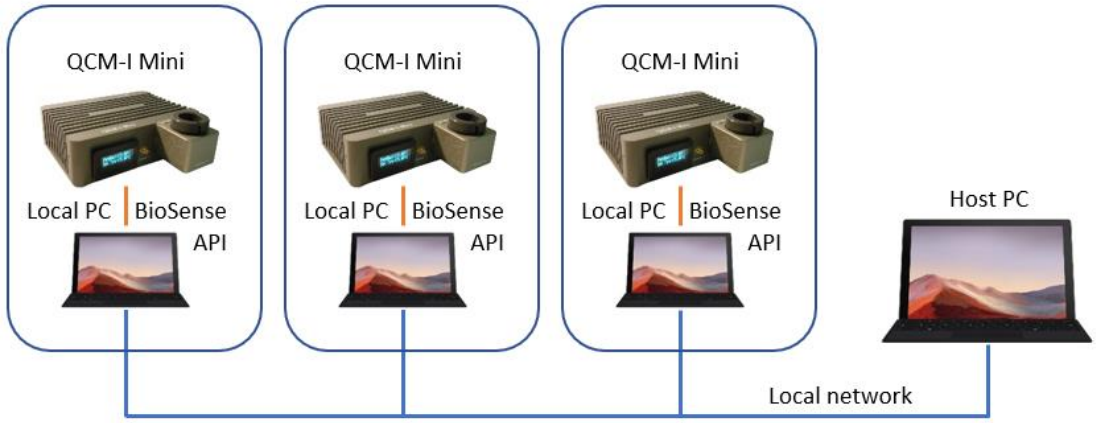
Quartz Crystal Microbalance with Impedance Analysis
The QCM-I Net is a multichannel QCM-I device

The **QCM-I** is a high-sensitivity, mass sensing instrument, which probes the interactions of molecules, polymers and biological assemblies with surfaces, label-free and in real time.

With applications in a wide and diverse range of scientific research fields and industries, the demand for flexible integration of the **QCM-I** technique in a wide range of formats and with an almost limitless range of other technologies can now be met.

QCM-I Net uses the **BioSense.NET API Library** to control multiple **QCM-I** instruments over a local network. This can be used to run a simultaneous experiment with an almost limitless number of channels, or to control or monitor multiple separate instruments at different remote locations.

QCM-I Net



Control & Measurement

- The **BioSense software** is a fully-functioned application platform, common to the whole analytical instrument range. It provides full control of the **QCM-I** instrument, User accounts, data acquisition and display, storage and management, data processing and export. Addition of the electrochemical module incorporates control of the potentiostat and allows synchronized data acquisition.
- The **BioSense Net software** allows a host computer to control multiple **QCM-I** instruments over a local network. This can be used to run an almost unlimited number of measurement channels in a single experiment, or could be used to control or monitor multiple remote **QCM-I** instruments, each runnning their own separate experiment.

How Does It work

- **BioSense software** runs on the local PC with each **QCM-I** instrument; it controls one **QCM-I** (QCM-I, QCM-I Mini, QCM-I Micro) instrument. The **BioSense Net software** uses the **Biosense.NET API library** to connected from a host computer to these local controllers.
- **BioSense Net software** allows synchronised or asynchronous control of the different **QCM-I** instruments on the network.
- The **BioSense.NET API Library** provides extreme flexibility because it can be also be used to integrate the **QCM-I** with other customer specific software, allowing users to integrate **QCM-I** measurements into their own experimental setup and contol environment.

For detailed technical specs of the **QCM-I** devices, see their relevant data sheets.

SI Scientific Instruments GmbH
Roemerstr. 67 | 82205 Gilching
+49 8105 77940 | info@si-gmbh.de | www.si-gmbh.de | Follow us on: