

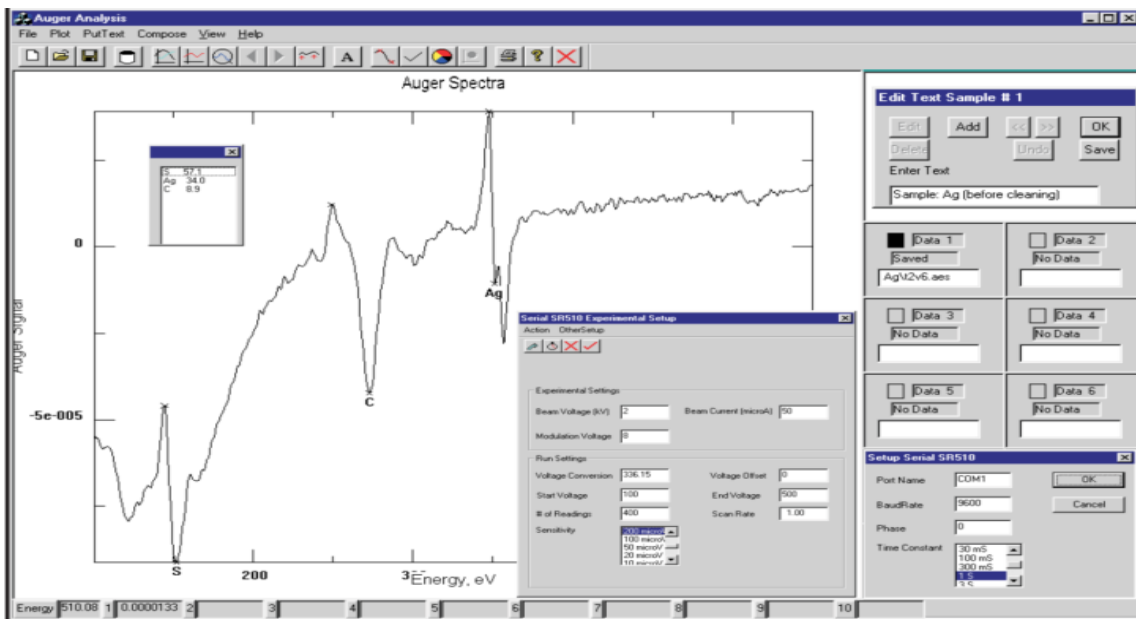
High sensitivity Auger Upgrade for Omicron SpectraLEED and MCPLEED optics

Features:

This upgrade package contains two controllers and a modern data acquisition software for Auger measurements. It includes a software package for LEED pattern analysis as well as a 12-bit high performance CCD camera.

The digital LEED-AES controller provides outputs for the electron gun, grids and screen (or MCP) for a primary beam in the range of 0-3000 eV kinetic energy. It includes advanced features as automatic start-up and shut down, 10 memory settings, a standby and an outgassing mode with timer.

The digital AES controller includes a lock-in-amplifier and additional electronics based on an integrated band pass filter and a preamplifier for high sensitivity Auger measurements. Both controllers can be operated by a Windows 7/10 compatible software via USB interface.



Summary

Parts included:

- LEED-AES controller
- Digital AES controller with lock-in amplifier
- Data acquisition and analysis software, compatible with Windows 7/10
- 12-bit black and white high performance video CCD camera
- Cables with fittings to Omicron LEED optics

Prerequisites:

- Omicron LEED optics (SpectraLEED or MCPLEED)