EDAX Compact Detector Unit

EDAX© detector is used for advanced materials characterization of energy dispersive X-ray microanalysis (EDS).



In 1992, EDAX introduced the Compact Detector Unit (CDU), a major breakthrough in Si(Li) detecting technology. Based on our successful standard detector, the CDU features a unique, low-profile dewar and special cold finger design which allows complete cool-down from a warm state in less than one hour.

This is a detector designed to be left at room temperature and is completely unaffected by repeated cycling. Cool the CDU when you need it, do your analysis and then forget about it. The CDU electronics include all circuitry necessary for powering down the detector and cycling it back to room temperature.

In addition to the rapid warm-cold cyclability, the CDU offers reduced LN2 consumption with performance equal to our standard 10-liter dewar model.

With Super Ultra Thin window technology, this standard detector is configurable for light element analysis down to Beryllium. It is available with 10mm² or 30mm² detector crystals.

Electron Count by EDAX detector (8/16/05)



Data from CAMD's EDAX CDU for determination of optimum working distance to detect high electron count.



<u>Sample Spectra for SEM:</u> EDAX SAPPHIRE detectors provide the best resolution and light element performance of any Si(Li) detector in the EDS market today. Here are some examples showing the high quality spectral data produced by the SAPPHIRE detectors.



Images and text courtesy of www.EDAX.com