Oxford INCA Energy Dispersive Spectroscopy

X-Max Large Area EDS SDD – now with NEW 124eV sensor

The new X-Max Silicon Drift Detector (SDD) offers users over TEN times the solid angle of conventional EDS detectors... without compromising on performance. Now you can have count rate, imaging, and analytical performance all at the same time.

Benefits:
- Proven accuracy at high count rates AutoID and quant are correct at 200,000cps
- The best sensitivity for light element analysis
- Combines largest area with best resolution
- The performance needed for analyzing smaller Nanostructures Maximizes X-ray collection under fine probe conditions
- The capability to analyze the most difficult samples
- Minimizes sample damage and contamination
- And its backed by tested Inca Energy software for ease of use to achieve the right results

Features:
- Unique single sensor large area SDD sensors
- Up to 80mm² active area (100mm² sensor size)
- Count rates > 500,000 cps
- Throughput > 200,000 cps
- MnKα guaranteed @ 124eV, CKa guaranteed @ 48eV
- Optimised electron trap
- Vacuum enclosed sensor to reduce oxygen absorption
- Only one pulse processing channel required
- Standard tube diameter (no larger than that of a 10mm² SDD detector)
- Motorised slide as standard
- Pile up correction software for accurate analysis at high count rates