

Technical Data Sheet



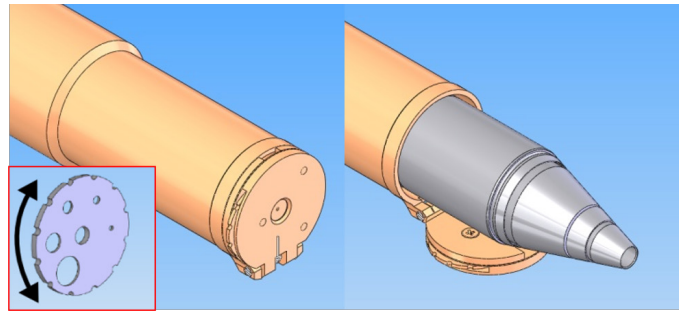
Max +

Max + extends the operational EDS range of your microscope to acquire high quality EDS data simultaneously with **WDS**, under high beam current conditions

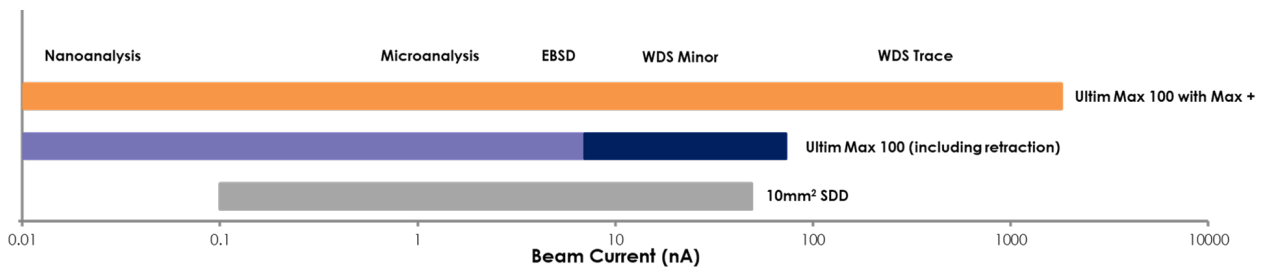
Max + is a flapped interface, with a rotatable aperture disc. The **Ultim Max** detector[†] can be retracted behind the aperture, collimating the X-ray signal, allowing EDS acquisition at a wider range of beam currents

[†]compatible with Ultim Max, X-Max and Xplore detectors

- Max + does not affect the performance of the Ultim Max detector when fully inserted, for high sensitivity, high solid angle nanoanalysis
- Extends range of beam currents at which the Ultim Max detector can collect EDS data, fully matching the range required for all types of WDS analysis
- Allows EDS spectra to be collected at optimum resolution for accurate quantitative analysis when combined with WDS



Max+ interface, flap and aperture wheel

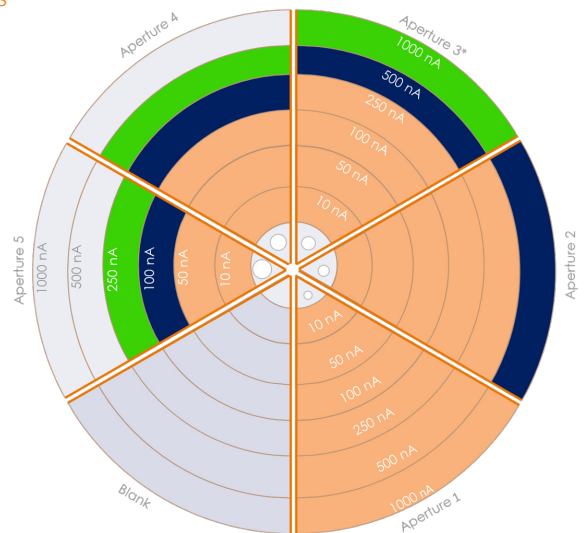


Example of functional beam current ranges for quantitative EDS analysis

- The rotatable aperture disk in the Max + flap provides 5 selectable apertures sizes and 1 blank, allowing quantitative analysis at beam currents greater than 1000 nA
- The colour coded rings in this image represent the typical types of analysis possible with each beam current range for the different apertures

Out of operating range
Mapping (> 800 kcps)
Qual Analysis (400 - 800 kcps)
Quant Analysis (<400 kcps)
Blank

*Aperture 3 recommended for routine simultaneous EDS and WDS analysis



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