



QUANTAX

- EDS with Slim-line Technology for SEM and TEM

The new generation of QUANTAX EDS once more sets the standards in X-ray spectrometry. The XFlash® 6 detector series, combined with the modular ESPRIT software, delivers the fastest and most reliable results in nano-research.



Wide range of detector sizes

- 10, 30, 60 and 100 mm² area detectors offer ideal solutions for microanalysis and nano-analysis



Best energy resolution for light element and low energy analysis

- 121 eV limited edition, 123 eV ultimate, 126 eV premium, 129 eV standard
- All resolutions specified exceeding ISO 15632:2002 requirements

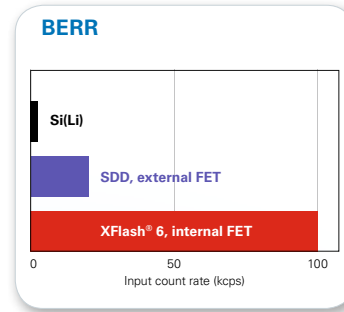


Slim-line detector technology for even more counts and lower beam currents

- Shortest detector to sample distances for maximum solid angle for SEM, FIB-SEM, μ -probe and TEM
- Best available take-off angle for TEM



The XFlash® 6 detector series for SEM and TEM



Best energy resolution ranges of different detector designs, showing clear advantages for the XFlash® 6

Detector configurations

Available detectors for SEM and related:

- XFlash® 6 | 10
- XFlash® 6 | 30
- XFlash® 6 | 60
- XFlash® 6 | 100

Recommended detectors for TEM:

- XFlash® 6T | 30
- XFlash® 6T | 60



Ultra high throughput for fastest measurements

- New signal processing unit with hybrid technology
- Over 1,500 kcps input count rate
- Over 600 kcps output count rate



Compact design and low weight

- High precision slider with fully integrated motor for precise positioning
- Improved heat sink geometry for stable measurement conditions
- Maximum detector weight of 3.75 kg



Real-time spectrometry

- Instant spectrum visibility
- Live quantification



Light element / low energy analysis

- Most comprehensive database containing K, L, M and N element lines for accurate identification
- TQuant – optimized standardless low energy range quantification



Hybrid quantification

- Unique combination of standardless and standard-based quantification
- Customizable for most accurate quantification



HyperMap

- The database contains a spectrum for each pixel
- Enables on- and offline processing
- Live background removal and deconvolution



Automation of routines

- Automate virtually any measurement and analysis
- Optimization of instrument usage
- Unattended operation during the day, at night or over the weekend

ESPRIT

Analytical software suite providing options for

- Reliable spectrometry
- Super fast Mapping
- High resolution Imaging
- Combined EBSD
- Easy automation
- Versatile Reporting

...and more.

● **Bruker Nano GmbH**
 Berlin · Germany
 Phone +49 (30) 670990-0
 Fax +49 (30) 670990-30
 info@bruker-nano.de

Bruker Nano
 Ewing, NJ · USA
 Phone +1 (609) 771 4400
 Fax +1 (609) 771 4411
 info@bruker-nano.com

Sales representative:

www.bruker.com/quantax