



XRF SERIES
XD-8010 Energy Dispersive X-Ray Fluorescence Spectrometer



EWAI | SIMPLY
PRECISE

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**XD-8010 Energy Dispersive X-Ray
Fluorescence Spectrometer**



Features

- Three different types of X-ray radiation safety systems, software interlocks, hardware interlocks, and mechanical interlocks, will completely eliminate radiation leakage under any working condition.
- The XD-8010 features a uniquely designed optical path that minimizes distances between the X-ray source, sample, and detector while maintaining the flexibility to switch between a variety of filters and collimators. This significantly improves the sensitivity, and lowers the detection limit.
- The large volume sample chamber allows large samples to be directly analyzed without the need for damage or pre-treatment.
- Simple, one-button analysis using a convenient and intuitive software interface. Professional training is not required to perform basic operation of the instrument.
- The XD-8010 provides rapid elemental analysis of elements from S to U, with adjustable analysis times.
- Up to 15 combinations of filters and collimators. Filters of various thicknesses and materials are available, as well as collimators ranging from $\Phi 1$ mm to $\Phi 7$ mm.
- The powerful report formatting feature allows for flexible customization of the automatically generated analysis reports. The generated reports can be saved in PDF and Excel formats. The analysis data is automatically stored after each analysis. Historical data and statistics can be accessed at any time from a simple query interface.
- Using the instrument's sample camera, you can observe the position of the sample relative to the focus of the X-ray source. Pictures of the sample are taken when analysis begins and can be displayed in the analysis report.
- The software's spectra comparison tool is useful for qualitative analysis and material identification and comparison.
- By using proven and effective methods of qualitative and quantitative analysis, the accuracy of the results can be assured.
- The open and flexible calibration curve fitting feature is useful for a variety of applications such as the detection of harmful substances.