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## Fast and Easy Trace Element Analysis

TXRF Analysis of Smallest Sample Amounts with Minimum Preparation using the S2 PICOFOX



The S2 PICOFOX is the world's first and only portable benchtop instrument for fast quantitative and semi-quantitative multi-element analysis of liquids, solids, and contaminations using the principle of total reflection X-ray fluorescence spectroscopy.

Attaining detection limits in the ppb and ppm range the S2 PICOFOX is optimally suited for trace element analysis. The advantages are evident in case of small sample amounts, liquid samples with high matrix content and frequently changing sample types.

The instrument does not require cooling media or other consumables and can therefore not only be used in the laboratory but also for on-site analyses in the field.

For many applications the S2 PICOFOX will be an important enhancement to an existing AAS or ICP-OES system, or it may even be a suitable replacement.

The key advantages of TXRF compared to AAS and ICP-OES are:

- Simultaneous multi-element trace analysis incl. halogenides
- Analysis of smallest sample amounts in the nanogram or microgram range
- Simple quantification using an internal standard
- Suitable for various sample types and applications
- Portable system for fast in-field analyses
- No matrix or memory effects
- Low operating cost

For further information please visit our product website, download our product brochure or get in contact with us!