Micro-XRF

Remote Personal Training

Interactive Online Course with M4 TORNADO

To ensure that the essential training needs of users of our scientific instruments are met with the highest quality and flexibility, Bruker Nano GmbH is expanding its application training packages with a remote variant.

Online trainings save natural resources and do not require lab access for the trainer. All that is needed is an internet connection on the device PC.

The remote training courses are accompanied by additional written training materials and short video tutorials. Work on samples and instruments is demonstrated by the trainer, filmed in the Bruker Nano GmbH application laboratory and broadcast live during the training course.

Your Benefits

- Access the full potential of your analytical equipment and produce best results
- Reduce carbon footprint and avoid travel restrictions
- Plan training times flexibly and quickly with a dedicated applications specialist
- Adjust course times to your schedule and adapt the contents to the analytical task at hand
- Ensure best documentation with the possibility to record training sessions
- Increase learning effectiveness with online material accessible for one year after the training
- Profit from guided application sessions for up to six participants.

The M4 TORNADO 2x4 online training is an interactive online course including self-paced material and sessions guided by a personal trainer. It includes two modules of online training material and two modules with four hours guided training and Q&A sessions each. Bruker Nano GmbH provides supporting materials, such as training videos and webinar recordings, digital presentations, and previously acquired measurement data to support the hands-on sessions.

The online training contains key material of an on-site training while offering higher flexibility. It is intended for participation on consecutive days, but the course can be split into multiple sessions within a time frame of up to two weeks upon customer request. The training should preferably be performed on the customer's measurement system using Microsoft Teams, WebEx or TeamViewer, depending on local IT requirements. If remote access is not possible, practical sessions may be held on similar instruments at a Bruker lab site.

Self-paced material	**Module 1 Introduction**	Principles of micro-XRF	Physics of X-ray and matter interaction - from X-ray generation to the various options for data acquisition and analytical approaches
		Instrument control	Introduction of software and hardware control to empower instrument operation at its full capabilities
		Instrument quality management	Ensuring optimal instrument operation best practices, for longterm stability and analytical reliability
	Module 2 Basics	General software features	Workspaces and their functionalities
		Qualitative analysis	Introduction to the variety of possibilities of material analysis with micro-XRF
		Quantitative analysis	Evaluation and quantification of XRF spectra
		Data recording	Optimal ways to generate and store data
Session with application specialist	**Module 3 Advanced**	Optimization of measurement conditions	Choosing conditions that ensure optimal measurement time and data quality
		Work in various workspaces	Simplifying the workflow and optimizing evaluation procedures for demanding analytical tasks
		Complex samples	Combining analytical approaches to obtain the required results
	Module 4 Expert	Data mining in the Area workspace	In-depth data mining from the HyperMap data cube
		Customer-specific application questions	Application support to develop specific procedures for customer requirements

Please contact your local Sales representative for more information about your individual online training option.

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