

XGT Training Course

Reference

HOR4

Price

1 815€ per attendee

Duration

3 days

Dates

2-4 October 2024

Schedule

From 9 am to 5.30 pm

Registration deadline

2-4 September 2024

Location

14 Boulevard Thomas Gobert,
91120 Palaiseau - France

Prerequisites

Dedicated to HORIBA customers only and knowledge of the technique and equipment.

Who should attend

Users of XGT X-Ray Fluorescence analyzers.

Certification

A diploma is delivered at the end of the course.

Learning method

Theoretical presentation and instruments practice.

Course language

English

Objectives

- Acquire a detailed knowledge of the principle of the XGT analysers.
- Learn how to perform qualitative analyses.
- Learn how to do quantitative analysis.
- Learn how to do transmission and X-Ray mappings.
- Review of the different options and their use.
- Review the maintenance for optimum use of the instrument.



PROGRAM

Day 1

- General presentation of XRF instruments
- Principle of Dispersive X-Ray Fluorescence
- Description of the different components of the instruments: X-Ray tube, detector, capillaries/collimators, filters, optical image, etc.
- How to analyse a sample: introduction, instrument parameters, etc.
- Qualitative analysis: instruments parameters, spectrum interpretation, etc.

Day 2

Quantitative analysis:

- FPM (Fundamental Parameters Methods)
- Calibration curves
- 2 points calibration

Sample preparation:

- Solids (blocks, powders) and liquids

Day 3

- Mapping: Instruments parameters and image processing
- Data processing
- Options (WEEE/RoHS, thickness measurements, Queue, LabSpecs link, particle detection)
- Maintenance review