



TRAINING 2010

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General Information

- Contact:** Tel.: +49.2821.892.3106; Fax: +49.2821.892.3206
Email: spectro.training@ametek.com
- Registration:** Please register yourself in written form (mail, fax, e-mail or internet).
Registration deadline is two weeks before the course starts.
- Location:** SPECTRO Analytical Instruments GmbH
Boschstr. 10, 47533 Kleve, Germany
- Time:** The courses start at 9.00 a.m. and end at 5:00 p.m.
- Number of Participants:** Min. 4, depending on the training room max. 8 or 10
- Training Material:** Made available for you at the beginning of the course.
- Training Fee/Hotel:** The prices mentioned are to be understood per person. Lunch, coffee and softdrinks during the day as well as hotel accommodation (three-star hotel, upgrade to a four-star hotel is possible for an additional fee of 31 € per night - subject to availability) are included in the training fee.
Please find the max. number of nights in the single training course description.
Travel expenses are not included in the training fee.
- Discount:** If you register two or more participants from one company, the second, and each additional participant will receive a 15 % discount on the training fee.
- Cancellation:** Cancellations up to two weeks before training will be charged 20 % of the training fee. Cancellations received less than 14 days prior to course start, will be charged 75 % of the course fee. Participant substitution is allowed.
- Certificate:** Each participant receives a certificate at the end of the training.
- Multimedia:** The operator courses take place at our facilities in Kleve, Germany. The training rooms are equipped with networked PC stations for a maximum of 8 or 10 participants. Our multimedia concept allows the training content to be displayed on all of the computer work stations. Participants are coached individually.
- Language:** All courses are held in English.

Mobile/Portable Metal Analyzer

Date:

06. - 07. July 2010

Training Fee:

1,120 Euro
incl. max. 3 nights
hotel accommodation

**SPECTRO xSORT**

XRF Analyzer CE

Target Group:

Customers with basic knowledge of routine operation, or those who want to learn it systematically. Based on practical examples, daily tasks and routine operation are explained and put into practice.

- Content:
- Routine operation:
 - Analysis and Grade I.D.
 - Maintenance
 - Data storage and retrieval
 - Radiation Safety

Date:

29. - 30. June 2010

Training Fee:

1,120 Euro
incl. max. 3 nights
hotel accommodation

**SPECTRO iSORT**

Spark Analyzer CE

Target Group:

Customers with basic knowledge of routine operation, or those who want to learn it systematically. Based on practical examples, daily tasks and routine operation are explained and put into practice.

- Content:
- Routine operation
 - Maintenance
 - ICAL
 - Fingerprint
 - Data storage and retrieval

Date:

13. - 14. July 2010

Training Fee:

1,120 Euro
incl. max. 3 nights
hotel accommodation

**SPECTROTEST**

Spark Analyzer ME

Target Group:

Customers with basic knowledge of routine operation, or those who want to learn it systematically. Based on practical examples, daily tasks and routine operation are explained and put into practice.

- Content:
- Routine operation: ICAL/APF, sorting, analysis mode, Grade ID
 - Creation of sorting programs, creation and change of alloy specification grade library
 - Maintenance
 - Data storage and retrieval



Stationary Metal Analyzer

SPECTROMAXx LMX04

Spark Analyzer MX Software

Target Group:

Beginners as well as users with basic knowledge who want to learn the routine operation systematically. The daily routine work is taught theoretically and practically during the training.

- Content:
- Routine operation
 - Routine functions of the software
 - Maintenance
 - ICAL
 - Regression program
 - Extension of calibration ranges
 - Exchange of the ICAL Sample
 - Application questions

Date:

26. - 28. January 2010

Training Fee:

1,690 Euro
incl. max. 4 nights
hotel accommodation



DIA 2000 SE

- Basic-

Target Group:

Users who want to learn how to store and manage their data in the DIA database.

Content:

Presentation of the features. Explanation of the setting parameters.

Date:

29. January 2010

Training Fee:

540 Euro
incl. max. 2 nights
hotel accommodation

Stationary Metal Analyzer

Dates:

09. - 11. March 2010
19. - 21. October 2010

Training Fee:

1,690 Euro
incl. max. 4 nights
hotel accommodation



SPECTROMAXx LMX05

Spark Analyzer Vision MX Software

Target Group:

Beginners as well as users with basic knowledge who want to learn the routine operation systematically. The daily routine work is taught theoretically and practically during the training.

Content:

- Routine operation
- Routine functions of the software
- Maintenance
- ICAL
- Regression program
- Extension of calibration ranges
- Exchange of the ICAL Sample
- Application questions

Dates:

12. March 2010
22. October 2010

Training Fee:

540 Euro
incl. max. 2 nights
hotel accommodation

DIA 2000 SE

- Basic-

Target Group:

Users who want to learn how to store and manage their data in the DIA database.

Content:

Presentation of the features. Explanation of the setting parameters.



Stationary Metal Analyzer

SPECTROLAB M9

Spark Analyzer Vision Software

Target Group:

Beginners as well as users with basic knowledge who want to learn the routine operation systematically. The daily routine work is taught theoretically and practically during the training.

- Content:
- Routine operation
 - Routine functions of the software
 - Maintenance
 - Regression program
 - Extension of calibration ranges
 - Exchange of standardization samples
 - Application questions

Date:

20. - 22. April 2010

Training Fee:

1,690 Euro
incl. max. 4 nights
hotel accommodation



DIA 2000 SE

- Basic-

Target Group:

Users who want to learn how to store and manage their data in the DIA database.

Content:

Presentation of the features. Explanation of the setting parameters.

Date:

23. April 2010

Training Fee:

540 Euro
incl. max. 2 nights
hotel accommodation

Stationary Metal Analyzer

Date:

06. - 08. July 2010

Training Fee:

1,690 Euro
incl. max. 4 nights
hotel accommodation

**SPECTROLAB M10**

Spark Analyzer Vision Software

Target Group:

Beginners as well as users with basic knowledge who want to learn the routine operation systematically. The daily routine work is taught theoretically and practically during the training.

- Content:
- Routine operation
 - Routine functions of the software
 - Maintenance
 - Regression program
 - Extension of calibration ranges
 - Exchange of standardization samples
 - Application questions

Date:

09. July 2010

Training Fee:

540 Euro
incl. max. 2 nights
hotel accommodation

DIA 2000 SE

- Basic-

Target Group:

Users who want to learn how to store and manage their data in the DIA database.

Content:

Presentation of the features. Explanation of the setting parameters.



ICP Spectrometer

SPECTRO GENESIS, SPECTRO ARCOS

Smart Analyzer Vision Software

Target Group:

This training is for users who already have experience with the instrument and the software and would like to deepen their knowledge.

- Content:
- Basics
 - Method development
 - Calibration and Analysis
 - Special functions and features of the software
 - Use of accessories
 - Special applications
 - Maintenance
 - Trouble-shooting

Dates:

22. - 25. June 2010

30. November -

03. December 2010

Training Fee:

2,250 Euro,
incl. max. 5 nights
hotel accommodation



XRF Spectrometer

Dates:

26. - 28. May 2010
23. - 25. November 2010

Training Fee:

1,690 Euro
incl. max. 4 nights
hotel accommodation

**SPECTRO iQ, SPECTRO iQ II, XEPOS**

X-LAB Pro Software

Target Group:

This course is for customers who are already familiar with the instrument and the software. Questions resulting from this experience will be discussed during the training.

- Content:
- Fundamental theories
 - Analytical possibilities of X-ray spectroscopy
 - Sample preparation
 - Generation of sample reports
 - Method development
 - Calibration
 - In-depth knowledge of the instrument
 - Maintenance

Date:

07. - 09. September 2010

Training Fee:

1,690 Euro
incl. max. 4 nights
hotel accommodation

**SPECTRO MIDEX (MID03)**

X-LAB Pro Software

Target Group:

This course is for customers who are already familiar with the instrument and the software. Questions resulting from this experience will be discussed during the training. The main focus of the training is the method development and calibration of the instrument.

- Content:
- Fundamental theories
 - Analytical possibilities of X-ray spectroscopy
 - Sample preparation
 - Generation of sample reports
 - Maintenance
 - Method development
 - Calibration
 - Line scans
 - Mappings
 - Evaluation of mappings or line scans



Registration

Please copy this page and fax it to **+49.2821.892.3206**.
Or register online at **www.spectro.com**

Registration for Training Course

Instrument type/
software version: _____

Date: _____

Serial number
of your instrument: _____

Company: _____

Name: _____

Department: _____

Street: _____

ZIP Code, City: _____

Country: _____

Telephone: _____

Telefax: _____

Email: _____

Participants: _____

www.spectro.com



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