



Training Modules

Apex Instruments offers standardized training courses that are based on the Source Evaluation Society's (SES) QSTI/QSTO examination structure. Mirroring this structure allows Apex Instruments to deliver training with sampling technique-specific agendas. Note: The completion of these training courses does not guarantee passing of the SES QSTI exams. Trainees are not required to take the SES QSTI exams. Please contact SES to schedule QSTI exams. The training modules are listed below:

Group 1 – Manual Gas Volume and Flow Measurements and Isokinetic Particulate Sampling Methods

Delivery Methods: In-House, e-Learning

- US EPA Methods 1, 1A, 2, 2A, 2C, 2D, 2F, 2G, 2H, 3, 3B, 4, 5, 5A, 5B, 5D, 5E, 5F, 5I, 17, 19, 201A, 202
- 40 CFR Part 60.8(f), 63.7(e)(3)
- SES Exam Guideline

Group 2 – Manual Gaseous Pollutants Source Sampling Methods

Delivery Methods: In-House, e-Learning

- US EPA Methods 1, 2, 3, 3B, 4, 6, 6A, 6B, 7, 7C, 7D, 8, 11, 13A, 13B, 15A, 16A, 19, 26, 26A, 202
- 40 CFR Part 60.8(f), 63.7(e)(3)
- SES Exam Guideline

Group 3 – Gaseous Pollutants Instrumental Methods

Delivery Methods: In-House, e-Learning

- US EPA Methods 1, 2, 3, 3A, 4, 6C, 7E, 10, 10B, 19, 20, 25A
- CEMS PS 2, 3, 4, 4A, 5, 6, 7, 8, 15
- CEMS RA requirements of part 75, including appendices A, B, and E
- 40 CFR Part 60.8(f), 63.7(e)(3)
- SES Exam Guideline

Group 4 – Hazardous Metals Measurement Methods

Delivery Methods: In-House, e-Learning

- US EPA Methods 1, 2, 3, 4, 12, 19, 29, 30B, 101, 101A, 102
- ASTM D6784-02 (<http://www.astm.org>)
- 40 CFR Part 60.8(f), 63.7(e)(3)
- US EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (Revised May 2012), EPA 600/R23/531, Sections 2.1.1 – 2.1.3



- SES Exam Guideline

Group 5 – Part 75 CEMS RATA Testing

Delivery Methods: In-House, e-Learning

- US EPA Methods 1, 2, 2F, 2G, 2H, 3, 3A, 3B, 4, 6C, 7E
- 40 CFR Part 75 Appendix A, Sections 3, 6, and 7
- 40 CFR Part 75 Emissions Monitoring Policy Manual, Sections 3 and 8
- 40 CFR Part 60 Appendix B
- CEMS PS 2
- US EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (Revised May 2012), EPA 600/R23/531, Sections 2.1.1 – 2.1.3
- SES Exam Guideline

Apex Instruments Equipment

Delivery Methods: Online, On-Site, In-House, e-Learning, Workshop

Apex Instruments will work with your team using your purchased equipment. Apex Instruments can also provide products for comparison purposes.

- Support with setting up Apex Instruments equipment
- Support with using and sampling with Apex Instruments equipment

Made-to-order

Delivery Methods: Online, On-Site, In-House, e-Learning

Apex Instruments can tailor training to fit your needs. Note: This may incur additional costs on top of the standard pricing for available training courses. Please contact us to discuss your training needs.

Scheduling:

Apex Instruments allows you to select your preferred date(s) and time(s) for your training sessions. Please use the calendar tool when paying for/checking out your training. Note: In the event that availability may change, your trainer will contact you as soon as possible to re-schedule your date(s) and time(s).

Online/Virtual: The calendar tool scheduling should be adequate in most cases



In-House: The calendar tool scheduling should be adequate in most cases, however there may be a lead time for availability

On-Site: The calendar tool can be used, but consulting with the trainer will be necessary as there may be a lead time for availability

e-Learning: Since these courses are self-guided, scheduling is not necessary. e-Learning courses may have an expiration date or may only be taken a limited number of times. The trainee(s) can contact the trainer for any additional information.

Terminology:

CEMS	Continuous Emissions Monitoring System
CFR	Code of Federal Regulations
EPA	Environmental Protection Agency
PS	Performance Specifications
QI	Qualified Individual
QSTI	Qualified Source Testing Individual
QSTO	Qualified Source Testing Observer
RATA	Relative Accuracy Test Audit
SES	Source Evaluation Society
US	United States