

Training for Industry



The STA provides independent and impartial training on a variety of topics related to emissions monitoring.

There seems to be nothing more uncertain in the emissions monitoring industry than estimating uncertainty. It is a requirement of accreditation to EN ISO/IEC 17025. It is a requirement of the regulators with regard to the relevant European Directives. It is a requirement of clients who want to know how good the numbers are!

This one day training course dispels some of the myths surrounding this very difficult topic, and provides participants with the tools to understand and provide a consistent approach to uncertainty, based on STA guidance.

Course content:

- What is uncertainty?
- How does it arise?
- Why is it important?
- Expressing uncertainty of measurement
- Error versus uncertainty
 - Basic statistics on sets of numbers
 - Average
 - Spread – Standard Deviation
 - Exercise – calculation of standard deviation
- Where do errors and uncertainties come from?
- General kinds of uncertainty in measurement
 - Random or systematic
 - Distribution, normal, uniform or rectangular distribution, others
 - What is not a measurement uncertainty?
- How to calculate uncertainty of measurement
 - Type A and Type B evaluations
 - Calculation steps



Course duration

One day starting at 10.00 hrs.

Who should attend

This course is aimed at emissions monitoring personnel, report writers and process operators.

The cost

For prices go to the STA website or use the link below:

<http://www.s-t-a.org/training>

The STA is a non-profit making organisation, therefore all courses are run at cost for members.

Training course dates and fees are available from <http://www.s-t-a.org/training>

COURSES CAN BE HELD AT YOUR SITE contact the STA for details.

Uncertainty in Emissions Monitoring