

VSL training

Calibration of liquid volumes

At first glance the calibration of liquid volume instruments may seem very easy, but when you look a little bit further it becomes difficult.....or very difficult. For the determination of the volume of a measure different calibration methods can be used depending on the size of the volume measure or on the needed accuracy. During the VSL training you will learn both about the theoretical background of the methods and how to performing the calibration yourself.

Contents of the training

- Gravimetric method
- Volumetric method
- Master meter method
- Performing the calibration using all methods
- Uncertainty analysis of the used methods
- Viscosity, read-out, temperature, construction, sealing, proficiency testing, etc.
- Interpretation of OIML, API and ISO documents about volume measurement
- ISO/IEC 17025 calibrations vs calibration performed by NMI's and proficiency testing and other requirements for volume laboratories,
- Witness a calibration using different methods in the VSL Water Flow / volume laboratories where there is time for a Question and Answer session.

Participants

The training has been developed for people working in a calibration laboratory, or at a manufacturer's or user's site of volume measures.

Trainers

Metrologists, responsible for the National Standards for the traceability of liquid volume in the Netherlands, will present this course to you.

Duration of the training

This is three day training. The training sessions last from nine o'clock in the morning till four o'clock in the afternoon. Lunch will take about one hour.

Dates

This training will be held 1 time a year with 6 – 12 participants.

Language

The training can be held in Dutch and/or English.

Investment

We will send you a quotation for your investment for this training and it includes lunches and course material, but excluding VAT, overnight stays and traveling costs.



Location

The training will be held at
VSL

Hugo de Grootplein 1
NL-3314 EG DORDRECHT
The Netherlands

Certificate

All participants receive full documentation and a certificate of attendance at the end of the training.

Other options

All the information above is based on an open training. Alternatively this training can be given as an in company training. Please contact us for more information at

E vsl@vsl.nl

T +31 15 269 15 00