

Working with accelerometers

Seminar description

This seminar provides an overview of the features of accelerometers and how they work. Special emphasis will be placed on miniature sensors. In a practical training session, participants will learn at various workstations manned by specialists how to identify and avoid potential sources of error and the causes of failure in vibration and impact/impulse measurements. A number of measuring devices and sensors will be available. Participants will also gain valuable insight into installation/removal procedures and will practice verifying that the equipment is in good working order. The entire seminar can also be held in English upon request.

Practical part with exercises

- Attachment and detachment techniques
- Methodical testing of the frequency response for selected attachment methods
- Use of suitable fixing adhesives as well as detachment and cleaning of sensors
- Noise and humming, avoidance of ground loops
- Resolution limits when taking measurements
- Lateral acceleration effects
- Base strain and thermal effects
- Mass loading effects on structures
- Testing and calibration of sensors
- Working with cables and replacement on miniature sensors

Seminar content

- Introduction to principles and features of accelerometers
- Guidelines for working properly with accelerometers
- Detection of sources of error and causes of failure during measurements

Goal

At the end of the seminar, participants will be able to work properly with accelerometers and avoid measurement errors.

Target group

Users from all specialty fields

Prerequisite for participation

Basics of Measurement Technology

Duration

2 days

Seminar number

9966B37-1-0-2-2 (Inhouse)

9966B37-1-0-2-3 (Seminar)

This seminar can also be held on-site at your company upon request. Please inquire about dates and cost.

Register at:

training.de@kistler.com