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## Fundamentals of measurement & inspection

Your Training at  
TÜV SÜD Academy



### Course Description

A basic requirement for the sustainable success of an organization is that it satisfies the needs of its customers. A systematic inspection plan, the professional handling of measuring and testing equipment and the ability to correctly determine measurement and inspection results are a central part of this.

Using video material, text and graphics, this e-learning course explains the main factors leading to errors that occur during measurement and inspection. This lets you understand the factors influencing displayed measured values and how to handle them. You will be able to clearly differentiate between the terms calibrate, adjust and standardize. You will become familiar with the principles of when measuring equipment can be used as testing equipment and learn about everything related to inspection planning.

### Who should attend

Quality assurance and quality management personnel

### Course Objective

You will understand the importance of quality and inspection planning. You will be able to determine and interpret measurement results. You will know why measurement uncertainties need to be avoided.

### Course contents

- Fundamentals of measurement and inspection
- Scope and types of measurement and inspection
  - Full inspection
  - 100% inspections
  - Sampling
  - Types of inspection
- Measuring instrument and measured value
  - Measuring instrument
  - Measured value

- Capability and suitability of measuring instruments
- Calibration
- Inspection planning

### Methodology

Asynchronous self-determined web based training with integrated video presentation.

### Certificate

TÜV SÜD Akademie Certificate of Attendance

**Sale Modes:** Single License, Group License, SCORM Sale

**Duration:** 60 minutes

**Number of Chapters:** 3

**Number of Quizzes:** none

**Learning Mode:** Self-Paced (LMS)

**Interactivity Level (1-4):** 2

**Language:** English