


# Inspection Techniques Training | Multimedia Courseware

Calibrating and Mastering Gauges - WXMT101-XX01XEN-E2

Objective 1: Define Gauges and Give Examples

Gauge Defined

A gauge can be defined as an instrument used to measure something such as amount, contents, or magnitude. Usually a gauge includes a visual display of information.



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## Inspection Techniques Multimedia Courseware: MXMT101

Amatrol's Inspection Techniques eLearning Courseware (MXMT101) covers calibrating and mastering gauges, proper care and storage of gauges, and using attribute gauges, go / no-go plug gauges, micrometers, thread gauges, variable analog gauges, and variable digital gauges. Learners will study objectives like: the importance of product measurement, reading analog indicator secondary needles, the construction of an outside micrometer, the function and operation of a snap gauge, and the purpose of gauges in manufacturing.

### Teach Hands-On Skills

#### What is a Gauge?

A gauge can be defined as an instrument used to measure something such as amount, contents, or magnitude. Usually a gauge includes a visual display of information. Gauges are used in every part of daily life. Without gauges, the world would be a pretty funny place. Buildings would be crooked, foods would never taste the same, and cars would not run correctly.

#### What is the Purpose of Gauges in Manufacturing?

Gauges are used to ensure that the parts of a component or assembly are consistently the same size. For example, when building a house, the wood studs used in the walls must be the same size. If they were not, the house would look pretty funny. Gauges are used in all types of manufacturing. Products have multiple components. These components must be able to fit together in order to function properly. To make this possible, all of the components must be measured with gauges during the manufacturing process.

### Inspection Techniques eLearning Course Features Multimedia Curriculum

Amatrol's peerless [interactive multimedia curriculum](#) utilizes text with voiceovers, pictures, videos, stunning 3D animations, and interactive quizzes and reviews that engage learners in theoretical knowledge and concepts. This thorough, detailed curriculum begins with the basics and advances to complex concepts. Through partnerships with key industry leaders and leading educators, Amatrol developed the right balance of knowledge to train

learners to work in their chosen field.

## **Additional Info**

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- **Additional Requirements**

- Computer: [See requirements](#)

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### **Address**

**Amatrol  
2400 Centennial Blvd  
Jeffersonville, IN 47130**

### **Contacts**

**email: [contact@amatrol.com](mailto:contact@amatrol.com)  
phone: (800) 264 8285**