

MEASUREMENTS: MEASURING PROCESSES

eLearning courses designed to increase productivity and profits



Learning made Simple, Visual, and Interactive

The Measurements: Measuring Processes course is an informative, intermediate level overview on how to use and read various measurement tools commonly used during inspection with particular attention paid to hand-held devices. This course focuses on how to read a vernier scale, dial scale, and digital scale as well as how to take readings with transfer-type gauges. Learners in the quality and manufacturing fields will find value in this course.

Credit Hours **3**

Learning Objectives

- ⚡ Distinguish between the different measuring scales.
- ⚡ Identify the steps involved when reading a measuring tool with multiple scales.
- ⚡ Read measurements off of vernier, dial, and digital scales.
- ⚡ Recognize the method of performing transfer-type readings.
- ⚡ Understand the inherent human errors in taking a measurement.

Table of Contents

I. Vernier and Dial Scales

- Vernier Scale
 - o Vernier Calipers
 - o Outside Dimension Micrometers
 - o Depth Micrometers
- Dial Scale
 - o Dial Calipers

II. Digital Scale and Transfer-Type Readings

- Digital Scale
 - o Digital Calipers
 - o Digital Depth Micrometers
 - o Digital Height Gauges
- Transfer-Type Readings
 - o Adjustable Telescoping Gauge with OD Micrometer

