

ONLINE TRAINING COURSE

Errors in Your Data



Instron® eLearning

Our eLearning course is specifically tailored for operators and managers who wish to learn about the possible errors in their data in a convenient, leisurely fashion. This course is a mix of lecture and live demonstrations intended to be as relatable to the viewer as possible.

Course Description

Prerequisites:

- A general understanding of material testing principles and equipment
- Completion of Introduction to Materials Testing (live or in person) recommended, but not required

Duration:

- Approximately 1 hour

Payment Options:

- Paypal, Credit Card, or Standard Company Purchase Order

The Errors in Your Data course uses an online based diagnostic approach focused on helping operators of material testing systems understand any data integrity issues they may come across during their testing. This course is intended for both new and experienced operators, including lab technicians, engineers, and anyone performing material testing.

Topics Include:

Errors Caused By:

- Physical measurements (load cells/extensometers)
- Testing fixtures
- Misalignment (specimen and system)
- Incorrect applications
- Software method development
- Temperature and humidity
- Poor machine testing control
- Agents external to the testing system (vibration)
- Common operator missteps

Other Topics:

- Proper interpretation of testing standards (ASTM/ISO)
- Unexpected frame movement
- Prevention of errors before they happen
- System preventative maintenance

Course Objective

After completing this course, the operator will be familiar with common errors seen in materials testing. They will also be familiar with the potential causes for such errors and how to approach resolving them in a timely manner.

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