

# EV-Battery Precision Inspection Learning System

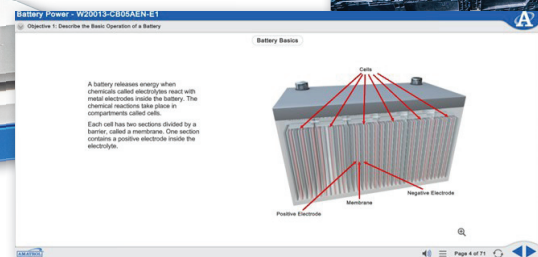
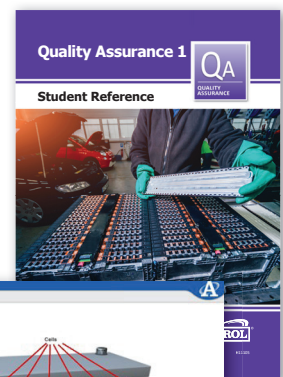
910-QC4

QA

QUALITY  
ASSURANCE



910-QC4



Interactive Multimedia Curriculum and  
Student Reference Guide

## Learning Topics:

- EV-Battery Measurements
- Basic Part Dimensioning
- Basic Tolerancing
- Digital Caliper Measurement
- Digital Data Collection
- Digital Height Gauge Measurement
- Digital Micrometer Measurement
- Go-No Go Gauging
- Digital Indicator Measurement
- Weight Measurement
- Digital Microscope Inspection
- Thickness Measurement
- Viscosity Measurement

Amatrol's EV-Battery Precision Inspection Learning System (910-QC4) teaches the operation and use of various measurement tools used in electric vehicle battery production. As demand increases for electric vehicles, so does the need for skilled production, operator, and quality personnel in EV factories. The concepts and skills covered in the curriculum of this training system prepare learners to take on those roles and ensure the quality, functionality, and longevity of their products.

The 910-QC4 is a tabletop workstation that comes equipped with a variety of measurement tools, a beaker set, a master parts set, computer data collection software, and more. Utilizing the included course curriculum, users study basic dimensioning and tolerancing; how to set up, calibrate, and use multiple types of measurement tools; and how to record and view measurement data on data collection software.



## Technical Data

Complete technical specifications available upon request.

**Tabletop Workstation**  
**Digital Measurement Tools Package**  
**Parts Package**  
**Digital Weight Scale**  
**Digital Microscope**  
**Beaker Set**  
**Data Collection Software**  
**Cable Set**  
**Student Curriculum – Interactive PC-Based Multimedia**  
**Instructor's Guide**  
**Instructor's Resource Print CD**  
**Installation Guide**  
**Student Reference Guide**

### Additional Requirements:

Computer: See requirements: <https://amatrol.com/support>  
Microsoft Excel

### Recommended:

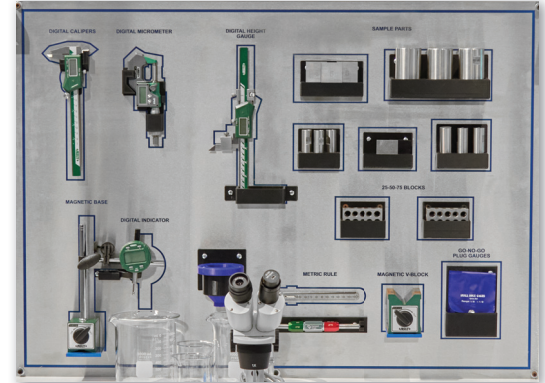
Mobile Technology Workstation (82-610) or equivalent

### Utilities Required:

Electrical (120V/60Hz/1ph)  
Water Source/Drain

## Practice Hands-On Skills with Real-World Equipment

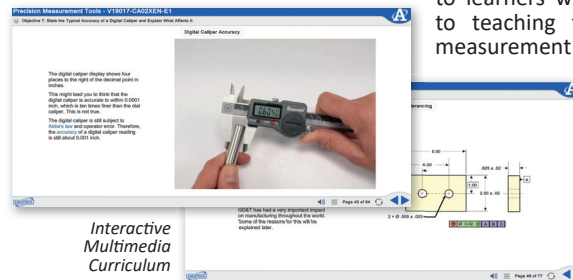
The EV-Battery Precision Inspection Learning System (910-QC4) features a vast array of real-world measurement devices that users will encounter on the job. These include a digital caliper, digital micrometer, metric rule, digital height gauge, go-no go plug gauges, a digital indicator, digital microscope, digital weight scale, and ball drop viscosimeter. Using these tools, learners practice important hands-on skills, such as using a plug gauge and a ring gauge to verify part acceptance; using a benchtop weight scale to weigh solid and liquid materials; using a digital caliper to measure outside and inside part dimensions; and much more!



910-QC4

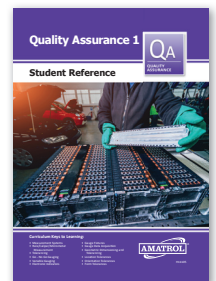
## Engaging, Highly-Interactive Multimedia

Amatrol's curriculum features a highly-interactive, multimedia format that includes stunning 3D graphics and videos, voiceovers of all text, and interactive quizzes and exercises designed to appeal to learners with different learning styles. In addition to teaching the correct use of multiple different measurement tools, the course curriculum for the 910-QC4 covers topics like the difference between the U.S. Customary and SI Metric systems of dimensional measurement; how linear, circular, arc, and hole features are dimensioned; reading drawing dimensions; and determining if a part measurement is within conventional and geometric tolerance limits.



## Student Reference Guide

A sample copy of the EV-Battery Precision Inspection Student Reference Guide is also included with the system for your evaluation. Sourced from the system's curriculum, the Student Reference Guide takes the entire series' technical content contained in the learning objectives and combines them into one perfectly-bound book. Student Reference Guides supplement the course by providing a condensed, inexpensive reference tool that learners will find invaluable once they finish their training, making it the perfect course takeaway.



Student Reference Guide

