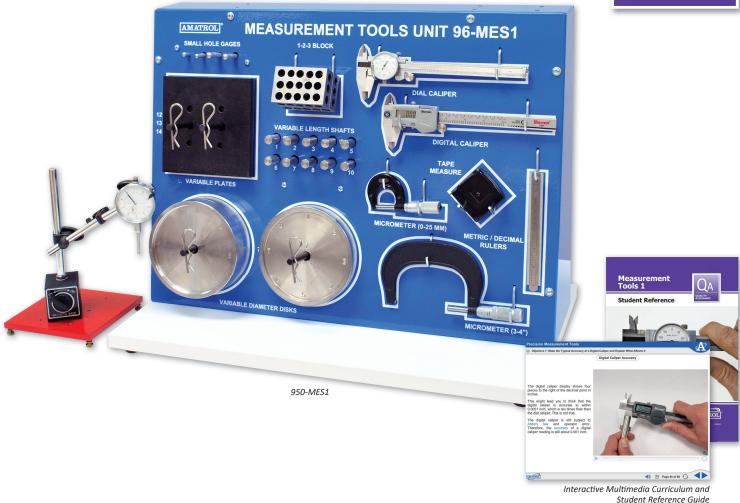
Measurement Tools 1 Learning System

950-MES1





Learning Topics:

- Basic Measurement
- Precision Measurement Tools
- Dimensional Gauging
- Statistical Process Control
- Control Chart Operation
- Control Chart Analysis
- Geometric Dimensioning and Tolerancing
- Location Tolerances
- Orientation Tolerances
- Form Tolerances

Amatrol's Measurement Tools 1 Learning System (950-MES1) teaches learners the fundamental principles of measurement, including basic and precision measurement and direct and indirect gauging. The concepts and skills covered in Amatrol's in-depth curriculum are critical and used in every manufacturing plant in the world by inspectors, machinists, manufacturing engineers, and others to determine if parts meet quality standards. After all, the ability to produce quality products begins with determining whether a product meets specified dimensions.

Using Amatrol's comprehensive multimedia curriculum, learners will study a variety of measurement topics, including: digital and dial calipers; dimensional gauging; statistical process control; control chart operation and analysis; geometric dimensioning and tolerancing; and location, orientation, and form tolerances. The learning system also includes industrial-quality components, such as a tabletop workstation, measurement tools like digital and dial calipers, variable length shafts and diameter disks, and more! The combination of robust curriculum with real-world equipment gives learners practical, hands-on experience with instruments they'll encounter on the job.

Technical Data

Complete technical specifications available upon request.

Tabletop Workstation Precision Measurement Tools

Dial Caliper
Decimal Rule, 50th Scale/10th
Metric Rule
Tape Measure
6" Rule
Micrometer (3-4")
Micrometer (0-25mm)
Dial Indicator with Magnetic Base
1-2-3 Block
Small Hole Gauge Set

Digital Caliper with Computer Interface Cable Standard Parts Package

Variable Length Shafts (10)
Variable Diameter Disks (3)
Variable Plates (3)
Data Management Software
Statistical Process Control Software
V-Block and Clamp Set

Machinist Square
Multimedia Curriculum (N19017)
Instructor's Guide (C19017)
Installation Guide (D19017)
Student Reference Guide (H19017)

Additional Requirements:

Computer (Visit www.amatrol.com/support/
computer-requirements for details.)

Options:

Mobile Technology Workstation (82-610)

Study Measurement Concepts and Practice with Real-World Equipment

The Measurement Tools 1 Learning System (950-MES1) features in-depth curriculum that teaches essential topics, such as measurement conversion, dimensional gauging, data collection, statistical process control, histogram construction, geometric dimensioning and tolerancing, and location, orientation, and form tolerances. The system also includes a variety of industrial-quality components: dial caliper, micrometer, precision dial indicator, small hole gauge set, machinist square, clamp set, data



Precision Measurement Tool Set

management software, and statistical process control software. Learners will practice relevant skills and gain hands-on experience with real-world equipment they'll use on the job.

Control Charlet Analysis Options 1 Showshis have to Analysis at Nate and R Charle Options Practice: Analysis X-She and R Charle Options Practice: Analysis X-She and R Charle Determine if the gnocess shown at left is in correct or, if not, stry it is not of the correct or, if not, stry it is not of the correct or, if not, stry it is not of the correct or, if not, stry it is not of the correct or, if not, stry it is not of the correct or in not of the correct or in the corr

Control Chart Analysis Exercise

Learn How To Construct and Analyze Control Charts

The 950-MES1 curriculum also teaches learners about one of the most important quality tools used in industry today: control charts. Learners will study their function, how they are constructed, and how to analyze the data they provide. Other relevant topics include X-bar and R chart operation and analysis, control chart setup, importing data, and applying control charts to process operation.

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. Virtual

simulators also replicate measurement equipment in realistic detail to allow learners to practice skills in a

virtual environment before transitioning to real equipment. The combination of theoretical knowledge and handson skills solidifies understanding and creates a strong basis for pursuing more advanced skills.



Measurement Tools 1 Student Reference Company of the Company of

Student Reference Guide

A sample copy of the Measurement Tools 1 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 this course by providing a condensed, inexpensive reference tool that learners will find invaluable once they finish their training, making it the perfect course takeaway.

