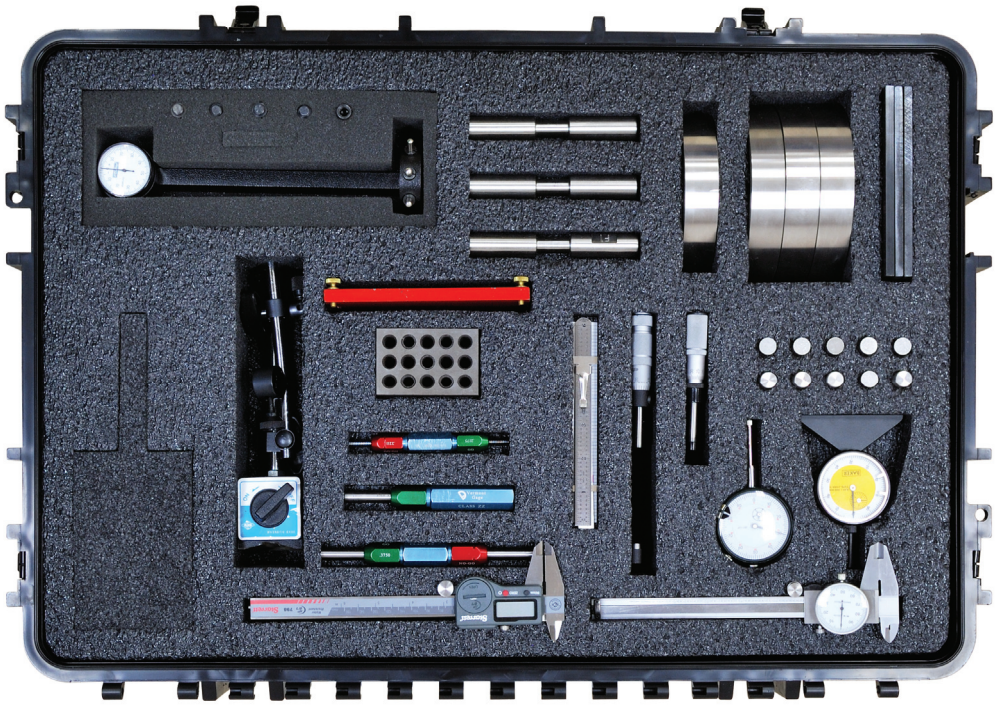
Portable Precision Gauging Learning System

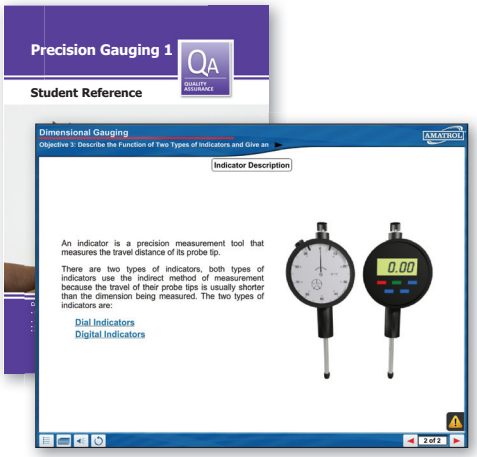
990-PG1

QUALITY ASSURANCE



990-PG1

Student Reference Guide



Interactive Multimedia Curriculum

Portable Workstation

Learning Topics:

- SI Measurement
- US Customary Measurement
- Measurement Conversion
- Dial Caliper
- Digital Caliper
- US Customary Micrometer
- Metric Micrometer
- Gauging
- Tolerance
- Indicator Measurement
- Go, No-Go Gauging
- Plug and Thread Gauges

Amatrol's Portable Precision Gauging Learning System (990-PG1) covers basic measurement, precision measurement, direct gauging, indirect gauging, and dimensional measurements using both the U.S. customary system and the SI metric system all within a mobile, highly durable product. Measurement is a cornerstone of all technical career paths and a major part of quality assurance, which helps to keep product quality high and costs low.

This portable learning system features calipers, micrometers, and a variety of gauges within a flexible, convenient product for situations where space is too limited for a larger trainer or when a trainer must be transported to multiple training locations. These measuring devices, along with a set of precisely-machined components, are used in a highly interactive curriculum to complete skills, such as measuring length, taking accurate measurement of inside and outside dimensions, and collecting process data.

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Technical Data

Complete technical specifications available upon request.

Portable Case
- Suitcase: 28.8” L x 20.1” W x 14.8” D
- Durable ABS Plastic

990-PG1 Final Assembly
- Dial Caliper
- Digital Caliper
- Decimal Rule, 50th Scale/10th
- Metric Rule
- 6” Rule
- Micrometer (3-4”)
- Micrometer (0-25 MM)
- Dial Indicator
- Dial Indicator Base
- Magnetic Dial Indicator Base
- 1-2-3 Blocks
- Dial Bore Gauge
- Dial Depth Gauge
- Plug Gauge
- Thread Gauge
- Step Gauge
- Master Setting Ring
- Test Shaft F1, F2, & F3
- Variable Diameter Disk 5, 6, & 7
- Variable Plate 12 & 13
- Statistical Parts (10)

Multimedia Curriculum (M11145)
Instructor Guide (C11145)
Install Guide (D11145)
Student Reference Guide (H11145)
Additional Requirements:
- See http://www.amatrol.com/support/computer-requirements

Utilities Required:
- No Required Utilities

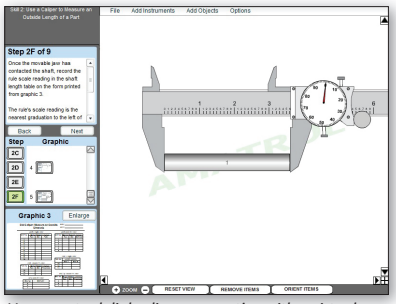
World-Class Technical Learning Wherever You Are

Amatrol’s 990-PG1 offers the opportunity to learn vital measuring skills to anyone with a computer and desk space for the Portable Precision Gauging Learning System. Accurate measurement lies at the heart of product quality in areas like design, manufacturing, or repair and can be used in careers such as quality control inspector, machinist, manufacturing engineer, operations manager, and production technician. The 990-PG1 allows learners to use real world components to practice hands-on skills. Precision-machined test parts are included in the system allowing the learner to practice measuring parts that have slight variations in their dimensions, simulating a production run. Once those measurements are obtained, the learner must use their newly-obtained knowledge of tolerances to determine if the parts are within or exceed required specifications.

990-PG1
Portable Workstation

Engaging, Interactive Multimedia!

Amatrol integrates video, audio, text, and interactive content to create a world-class multimedia learning experience. Within the 990-PG1’s curriculum, topics include understanding the appropriate measuring device to use in a given situation, how to read various types of gauges, and proper techniques used to obtain accurate readings. Even the most precise measuring device will provide inaccurate information if used improperly. Learners will study digital calipers, their advantages over dial calipers, and their components. They will then use a digital caliper to measure the inside and outside dimensions of a part. The combination of theoretical knowledge and hands-on skills make each easier to understand and provide a strong building block for more advanced skills.



Use an actual dial caliper or practice with a virtual one

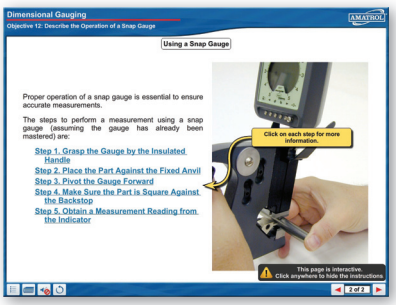
Complimentary Student Reference Guide

A sample copy of the Precision Gauging Learning System’s Student Reference Guide is included with the system for your evaluation. Sourced from the system’s multimedia curriculum, the Student Reference Guide takes the entire series’ technical content contained in the learning objectives and combines them into one perfect-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.

If you would like to inquire about purchasing additional Student Reference Guides for your program, contact your local Amatrol Representative for more information.

Optional Snap Gauge Addition 99-PG2

The Precision Gauging 2 (99-PG2) adds a Snap Gauge, a very precise gauging device widely used in industry, to the Precision Gauging learning system. Including an additional interactive multimedia module, this addition teaches learners applications where this device is used, calibration, and how to properly use the device to take measurements. The snap gauge fits securely in the 990-PG1’s durable case and integrates seamlessly into the training.



Snap Gauge (99-PG2)

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