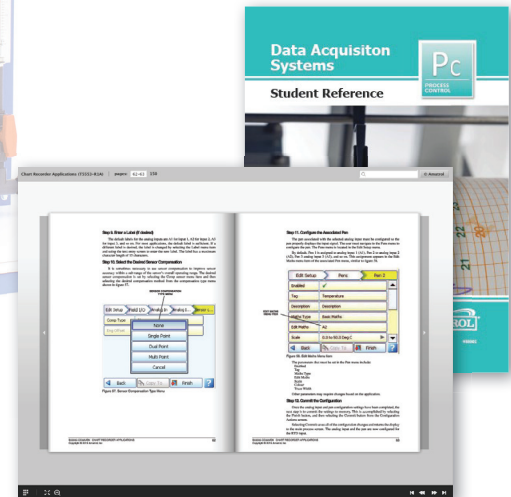


Three-Channel Data Acquisition Learning System

T5553-R1A



T5553-R1A



Optional eBook and Student Reference Guide

Learning Topics:

- Digital Chart Recorder Menu
- Navigation
- Digital Chart Recorder Configuration
- Thermocouple Application
- RTD Application
- Voltage/Current Applications
- Chart Recorder Display Formats
- Continuous and Fuzzy Logging
- Data Transfer
- Alarms, Math Functions and Totalizers
- Loading Data
- Graph Events, Display Formatting and Printing

Amatrol's Three-Channel (T5553-R1A) Data Acquisition Learning System adds to the T5553 Thermal Process Control Learning System to teach the fundamentals of data acquisition. This system consists of equipment used to receive, record, and analyze process data. A chart recorder is one of the most commonly used pieces of data acquisition equipment. Chart recorders create a graphical representation of an electrical input signal received from an input device and provide an on-screen display of the process results.

Chart recording is one of the most important skills a student can learn. The T5553-R1A identifies process variables, providing learners with the ability to accomplish work with navigation, digital chart recorder configuration, data transfer, and more, in a precise and effective manner. Amatrol uses components that learners will find on-the-job in order to give the best opportunity to build confidence and industrial competencies.



Technical Data

Complete technical specifications available upon request.

Ultrasonic Transducer
Panel Mount
Paperless Trend Recorder
Data Storage-Internal & Flash Drive
Precision Resistor Assembly
Student Learning Activity Packet (B33302)
Instructor's Guide (C33302)
Installation Guide (D33302)
Student Reference Guide (H33302)
Requires T5553
Power Supplied by T5553

Hands-On Data Acquisition and Process Instrumentation

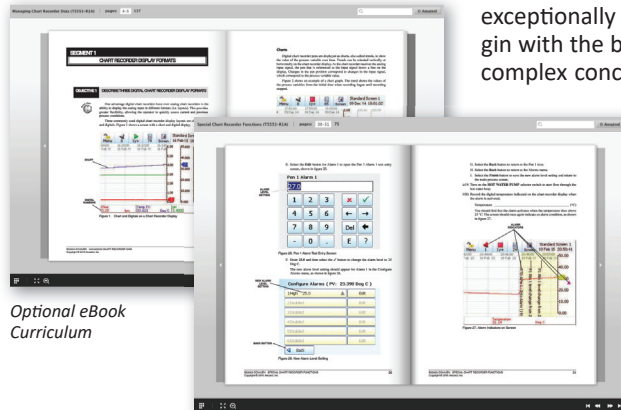
The Data Acquisition Learning System uses real-world components to aid in teaching process variables such as temperature, flow, level and pH, as well as their changes over time. Students will learn how to use chart recorders to collect and display process data. The T5553-R1A includes a Honeywell eTrend chart recorder, Honeywell TrendManager software, 10-Ohm precision resistor assembly, student curriculum and teacher's assessment guide. These technologies augment teaching of process instrumentation, enabling learners to observe what is happening inside the system and more clearly understand the effects of external disturbances and their own adjustments.



T5553-R1A on T5552
Process Control Learning System

World-Class Data Acquisition Curriculum and Real-World Skills

This learning system also includes Amatrol's world-class optional eBook curriculum, which combines strong theoretical knowledge and concepts with hands-on skills for the best industrial competency-building on the market. Students will also learn how to use computer software to view and manipulate the data. This thorough, exceptionally detailed curriculum is built to begin with the basics and steadily advance to more complex concepts and skill. In addition to the included print curriculum, Amatrol offers this course in an on-line eBook format. Amatrol's eBooks provide easy, quick navigation and searchable course content in an online computer-based format.



Optional eBook
Curriculum

Student Reference Guide

A sample copy of the Three-Channel Data Acquisition Learning System Student Reference Guide is also included with the system for your evaluation. 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.

