

## Process Analyzers

# Maxum Simulated Distillation

### General Information

Course Code: PIA-PAMAXUM8  
Length: 2 Days

### Audience

This software course is intended for individuals responsible for the maintenance and operation of the Maxum Gas Chromatograph with the Simulated Distillation or Motor Gasoline Application.

### Prerequisites

- Maxum Operation with GCP Level 1

### Profile

1.3 CEUs (Continuing Education Credits)

This course covers setup and calibration of the Maxum Gas Chromatograph with a Simulated Distillation Application. This course covers the specific hardware and software associated with this application.

This course can be taught at the customer's site and customized to meet the customer's needs. With advance notice, customer specific applications can be taught.

### Objectives

*Upon completion of this course, the student shall be able to:*

- Calibrate a Simulated Distillation Maxum
- Configure Simulated Distillation functions
- Evaluate Motor Gasoline Application specific alarms
- Setup Temperature Ramp parameters

### Topics

1. Simulated Distillation Overview
  - a. Calibration
  - b. ASTM 2887
  - c. Sample Calibration
  - d. K Factor Select
  - e. Null
2. Motor Gasoline Application
  - a. Basic Principle
  - b. Functional Description
  - c. Theory of Operation
  - d. Baseline Correction Options
  - e. Factor Select
  - f. MOGAS Alarms
  - g. Boiling Point Table
  - h. Calibration Standards