

Process Analyzers

ULTRAMAT 6 Service & Repair

General Information

Course Code: PIA-PACONAC2

Length: 1 Day

Audience

This hardware course is intended for individuals responsible for the maintenance and operation of Siemens Ultramat 6 Continuous Gas Analyzer.

Profile

0.7 CEUs (Continuing Education Credits)

In this course students will setup, calibrate and perform basic maintenance functions on the Siemens Ultramat 6 Infrared Continuous Gas Analyzer System including hardware and software.

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 the Ultramat 6 analyzer using zero and span gasses.
- Replace the primary modules in Ultramat 6
- Replace and align the detector bench
- Set parameters in the Ultramat 6 thru the HMI.
- Clean the detector cell

Topics

1. Principles of ULTRAMAT Operation
 - a. Electronic Board Identification
 - b. Analyzer Bench Identification
 - c. Infrared Analysis
2. ULTRAMAT Maintenance
 - a. Calibration
 - b. Cell Cleaning
 - c. Condensate Trap
 - d. Pneumatic Pump
 - e. Bench Disassembly
 - f. Panel Operation
 - g. Software
3. Labs
 - a. Calibration
 - b. Hardware Assembly
 - c. Hardware Disassembly
 - d. Software and Communications
 - e. Familiarization and Identification of Hardware and Parts