

NGC8200 / PGC1000 Level One - Z920

Three-day course, 8:00am - 4:00pm



Course description

This course will instruct the student in the basics of installation and operation of the NGC8200 / PGC1000 gas chromatograph, as well as its interaction with the ABB flow computer.

Basic knowledge of gas analysis and chromatography and proficient computer skills are required.

Learning Objectives

Upon completion of this course, the participants will be able to:

- Install hardware
- Install and leak-check sample tubing
- Identify hardware components
- Disassemble and reassemble primary GC components
- Set up PCCU32 software
- Use PCCU32 software for startup, maintenance, and calibration
- Set up various methods of local communication
- Learn basic chromatography in the NGC/PGC1000
- Perform historical collection
- Set up Modbus communication
- Send live analysis to flow computer using the Therms application
- Understand portable GC operation

Topics

- Equipment installation and set up
- Analysis set up and manual peak find
- Collecting and saving data
- Save and restore
- 32-bit loader, flash, and multiple file packages
- Reporting
- Calibration
- Validation
- Ethernet connectivity
- Local communication
- Modbus communication
- Therms
- Portable
- Operations

Course type and methods

This is an instructor-led course with interactive classroom discussions, presentations, and practical exercises on fully functioning equipment. At least 50% of time is hands-on operation and lab activities. Laptops will be provided. Doors open at 8:00 am local time. Lunch is provided.