

NGC8200 / PGC1000 Level One - Z920

Three-day course; 8:30am - 4:30pm



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.

\$1,650 / student; Lunch provided daily

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 spent on hands-on operation and lab activities. Laptops will be provided. Doors open at 8:00 am local time.