

NGC8200/PGC1000 Gas Chromatograph Level One (Z920)



Learning objectives

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

- Hardware installation
- Install and leak check sample tubing
- Identify hardware components
- Disassemble and reassemble primary GC components
- Set up PCCU32 software
- Use PCCU32 software for start up, maintenance, and calibration
- Set up various methods of local communication
- Chromatography: Basic Chromatography in the NGC/PGC1000
- Perform historical collection
- Set up Modbus® communication
- Sending Live Analysis to flow computer using the Therms application
- Portable GC Operation

Course description

This course will instruct the student in the basics of installation and operation of the NGC8200/PGC1000 gas chromatograph.

Topics

- Equipment installation and setup
- Analysis set up and manual peak find
- Collecting and saving data
- Save and Restore
- Flash using the 32-Bit Loader
- Reporting
- Calibration
- Validation
- Ethernet connectivity
- Local communication
- Modbus® communication
- Therms

Course type and methods

This is an instructor-led course with interactive classroom discussions, presentations, and practical exercises. At least 50% of this course is hands-on operation and lab activities.

Duration

The duration is 3 days – 8:30 a.m. to 4:30 p.m. each day. Doors open at 8:00 a.m local time. Laptops will be provided.

Prerequisites

Students attending this course should have basic knowledge of gas analysis and proficient computer skills.