ABB MEASUREMENT & ANALYTICS | COURSE DESCRIPTION

NGC8200/PGC1000 Level One (Z920)

Learning objectives
- 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, as well as it's interaction with the ABB flow computer.

Topics
- Equipment installation and setup
- 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 this course is hands-on operation and lab activities. Laptops will be provided.

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.

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

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