Overview
Part of the global initiative program by ABB is to ensure all ABB customers are adequately trained on the product / equipment's supplied to users. ABB Australia is committed to this global initiative and are organising a training course on the NGC8200 series Natural Gas Chromatograph, basic Operations & Maintenance training for customers in Australia and the South Asian region.

This training program is designed to train the participants on the understanding of Gas Chromatography and an introduction to the NGC8200 in terms of operation, service and troubleshooting.

Course Duration
The duration is 2.5 days.

Course Type
This is an instructor led course with approximately one third consisting of hands-on activities.

Course Goal
The goal of this course is to give students a practical understanding of the NGC8200 Natural Gas Chromatograph.

Training Location
ABB Australia
Measurement & Analytics Training Room
Bapaume Road
Moorebank, NSW, 2170
Australia

Training class hours & Refreshments
9.00am - 4.00pm
Morning tea, lunch & refreshments will be supplied during training.

Materials
Training equipment, materials and manuals supplied by ABB Australia.

Class Size
3 to 10 Students

Course Fee & Inclusions
A$3,145 per student

LBU Training Administrator
Joann Skinner
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LBU Training Manager
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LBU Service Manager
Adrian Mather
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Email: adrian.mather@au.abb.com

Scheduled Dates
Please refer to the back page of this flyer for the current year training calendar.

Please contact above or your local ABB representative to book & secure a seat on these scheduled courses. You can also confirm a slot for candidates by emailing or faxing the completed registration form (page 3) as soon as possible.
Course Description

ABB University Australia Measurement & Analytics
Z2303 NGC8200 Operations & Maintenance Training

Who Should Attend?
The training is intended for end user analyser technicians, operators or engineers responsible for the operation of the NGC8200 Natural Gas Chromatograph.

This should include Metering Engineers involved in gas flow measurement for custody & fiscal application. Project Engineers involved in pipeline & custody / allocation gas flow measurement application.

Course Objectives
Upon completion of this course, student will have a basic understanding of the operation of the NGC8200 Natural Gas Chromatograph. In addition, they will be able to utilise the unique benefits and features of the analyser.

Main Topics
- Introduction to NGC8200 Gas Chromatography
- Hardware components and function
- Software architecture & operating platform
- Using the basic analyser system in natural gas analysis
- Carrier gas and calibration gas systems
- Analyser hardware components.
- Installation and operation of PCCU interface software program with application.
- Chromatogram integration and post-analysis calculations.
- Using the chromatogram to identify problems and fault finding techniques.
- Start-Up procedures & Sample preparation system
- Prediction of the analyser performance & failure.
- Configuring of the NGC series, user directory outputs & Preventive maintenance service procedures
- Exercise and troubleshooting analysis with real gas.
- Communication of gas data to other devices, such as flow computer, DCS or SCADA.
REGISTRATION FORM

COMPANY DETAILS

Company Name: ______________________  Mailing Address: __________________________________________
ABN: ____________________________________

Phone Number: ______________________  Please Check One:  □ Customer
Fax Number: ______________________  □ Representative
Email Address: ______________________  □ Internal Staff

CLASS RESERVATION

Date of Class: ______________________

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2017 NGC8200 SCHEDULED TRAINING

Wednesday 22\textsuperscript{nd} February – Friday 24\textsuperscript{th} February 2017
Wednesday 19\textsuperscript{th} April – Friday 21\textsuperscript{st} 2017
Wednesday 21\textsuperscript{st} June – Friday 23\textsuperscript{rd} June 2017
Wednesday 23\textsuperscript{rd} August – Friday 25\textsuperscript{th} August 2017
Wednesday 25\textsuperscript{th} October – Friday 27\textsuperscript{th} October 2017
Wednesday 6\textsuperscript{th} December – Friday 8\textsuperscript{th} December 2017