

## Measurement Products

# pH, Conductivity, Dissolved O<sub>2</sub> & Turbidity – Z450

The skills of operations and maintenance personnel play a key role in equipment performance as well as maximizing return on investment.

ABB Measurement Products' training facilities at the Stonehouse site deliver a programme of Instrumentation and Analyser training courses, specifically designed to meet client's needs.



### pH, Conductivity, Dissolved O<sub>2</sub> & Turbidity Training

The course is designed for engineers and technicians who are responsible for the day to day maintenance of ABB's pH, Conductivity, Dissolved O<sub>2</sub> & turbidity water analysers.

Students will gain an understanding of the analyser measurement principles, analyser hardware and software operation.

On completion of the training, students will have the ability to interrogate the instruments through the HMI interface, to read and interpret alarm / status messages and generally maintain the analysers on a day to day basis.

Agenda Day 1: 09.00 – 16.00	
Registration & coffee	09.00 – 09.30
Introduction	Welcome
Overview	Analyser systems
Basic Principles	Measurement techniques
Lunch	12.00 – 13.00
Analyser Hardware	Analyser variations
HMI Interface	Software operation
Course review	15.30 – 16.00

Agenda Day 2: 09.00 – 15.00	
Coffee	09.00 – 09.30
Calibration	Calibration techniques
Alarms	Status messages
Troubleshooting	Faultfinding techniques
Lunch	12.00 – 13.00
Data file access - FTP	File Transfer Protocol
Analyser maintenance	D/W/M routines
Course review & close	14.30 – 15.00

### Four easy ways to book

- Post: Send completed registration form to: Training & Repairs Facility, Oldends Lane, ABB Limited, Stonehouse, Gloucestershire, GL10 3TA
- Telephone: Call ABB Training & Repairs Facility +44 (0)1453 826 661
- Fax: FAX your form to +44 (0) 1453 821382
- Email: [training.stonehouse@gb.abb.com](mailto:training.stonehouse@gb.abb.com)

To register for a course please go to the following website [www.abb.com/AbbUniversity](http://www.abb.com/AbbUniversity) . From there please select Measurement Products from the Product group/Industry drop down menu and then select the course.

Dr/Mr/Mrs/Ms	First Name	Surname	
Job Title	Company		
Address			
Post Code	Country		
Telephone	Fax		
Email			

### Fee per student

£500.00 + VAT / day / student

The training courses are held at the Stonehouse facility and cost £500.00 / day / student. The full course fee (incl. VAT) is payable in advance, and should be received no later than 4 weeks prior to the course commencement. The fee includes course documentation refreshments and lunch but does not include travel or accommodation. A maximum of 6 students per course.

### Payment Methods

Purchase Order Number		
Please debit my credit card (Eurocard / Mastercard / VISA / AMEX / Switch)		
Card number	Cardholder	
Expiry date	Security code	
Issue number (Switch only)		
Email		

### Booking information

All bookings are provisionally accepted and confirmed in writing upon receipt of payment. Cancellations made up to 30 days prior to the course will be subject to a cancellation fee of 20% administration fee. Cancellations made 30-14 day prior to the course will be subject to a cancellation fee of 50%. Cancellations made thereafter will be subject to the full course fee, however a substitute delegate can be named at any time. Travel and hotel details will be forwarded on receipt of the registration form. It may be necessary for reasons beyond the control of the organisers to cancel the event, alter the content or change the timing of the programme.