

## Power Quality Hands-on Training Seminars

The Fluke Power Quality Hands-On Seminar will help you learn how to detect and prevent power quality problems with the right tools and knowledge from Fluke.



This is designed for Electricians and Electrical Engineers involved in troubleshooting the causes of poor power quality, often the root cause of potentially costly problems in industrial electrical installations and equipment. This workshop will include hands-on training on how to conduct inspections using a variety of power quality tools, as well as offering a free DVD, Case Studies and Application Notes giving advice on troubleshooting techniques and checking compliance against National and International Power Quality Standards.

Seven modules will be run throughout the day:

- Module 1 - Introduction to Power Quality
- Module 2 - Voltage Dips (what are the impacts, how to characterize them and trace the source of origin)
- Module 3 - Harmonics (what are the originating sources and their impacts)
- Module 4 - Unbalance (why is it important and what are the acceptable limits)
- Module 5 – Power consumption penalties and energy losses (how to avoid paying these penalties and identify energy savings opportunities)
- Module 6 - Transients (what are the originating sources and their impacts)
- Module 7 - Introduction to the National and International Power Quality Standards

Modules 2 to 7 are practical training modules based on the power quality examples shown in the Fluke DVD "Power Quality in Industrial Applications".

Participants will get hands-on practice on a complete range of rugged Power Quality tools for three-phase systems, and learn how to pinpoint power problems faster in a wide range of industrial, commercial and domestic installations. These include:

- Handheld Fluke 430 Series II Power Quality Analyzer
- Fluke 1750 Three-Phase Power Recorder
- Fluke 1760 Three-Phase Power Quality Recorder
- Fluke 1740 Series Power Quality Logger Series
- Fluke 1735 Power Logger

### What you will learn:

- Fundamentals of power quality
- How to measure power quality and energy losses with the latest Power Quality Analyzer
- How to troubleshoot power quality problems and save money by improving power quality
- Real-world applications and examples
- How to select the right tool for your application

**Who Should Attend:**

- Plant electricians
- Commercial electrical contractors
- Facilities maintenance technicians
- Process technicians
- Field service technicians

**What you will receive:**

- 7 PDU points for Professional Engineers
- Reduce expensive plant downtime by using planned maintenance techniques to improve power quality
- Minimize equipment failures by improving power quality
- Reduce costly electrical utility penalties for poor power quality
- Great networking session! Learn the best experience & tips from people of various industries
- Exclusive Fluke Power Quality DVD in industrial applications
- Certification of attendance

**About our speaker:**

*Mr. Joseph Ong*, Senior Product Consultant  
**Fluke South East Asia Pte Ltd**

**Bio-data**

Joseph has a degree of Master in Information Technology from University of Newcastle, and a Level II Infrared Thermography certification.

He is currently the Senior Product Consultant in Fluke South East Asia Pte Ltd. He has more than 17 years of experience in pre-sales and post-sales application supports on electrical and electronic testing instruments. He is very experienced trainer in power quality, and has been conducting regular product training and seminar both in Singapore and the regional countries.

***Hurry, sign up now as seats are limited!  
To sign up, send in the registration form at the next page.***

## Registration Form

# Power Quality Hands-On Workshop

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**Course Information**

Venue: Fluke South East Asia Pte Ltd  
60 Alexandra Terrace #03-16  
The Comtech (Lobby D)  
Singapore 118502

Time: 9.00 - 5.00pm

Course Fee: S\$199

Date: 07 Mar 2012   
16 May 2012   
22 Aug 2012   
07 Nov 2012

To register, please fill up the form below and send it to:  
Miss Joanna Wong at [Joanna.wong@fluke.com](mailto:Joanna.wong@fluke.com) or fax it to +65 6799 5577

**Yes, I / we will be attending for this workshop.**

**Participant Name** \_\_\_\_\_ **Designation** \_\_\_\_\_  
**Email** \_\_\_\_\_ **Direct Tel** \_\_\_\_\_  
**Participant Name** \_\_\_\_\_ **Designation** \_\_\_\_\_  
**Email** \_\_\_\_\_ **Direct Tel** \_\_\_\_\_  
**\*Contact Person** \_\_\_\_\_ **Designation** \_\_\_\_\_  
**Company** \_\_\_\_\_  
**Address** \_\_\_\_\_  
\_\_\_\_\_  
**Tel** \_\_\_\_\_ **Fax** \_\_\_\_\_ **Email** \_\_\_\_\_

\*Please complete if contact person is different from participant's name(s).

For more information please contact:  
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