



Dear Customer,

Web Seminar Series

Ask most engineers today what their biggest challenge is and you'll hear "doing more with less". Engineers are constantly being tasked with covering not only their core competencies but also areas that fall outside their core expertise. Yokogawa is pleased to provide a wide variety of educational technical seminars geared to

providing engineers with the knowledge they need in an easy to digest one hour webinar or live seminar. Take a look at Yokogawa.

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Technical Oscilloscope Probe Seminar

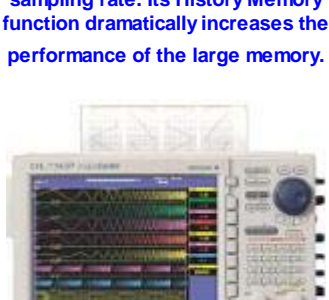
Today's engineers are pressured to test high-speed signals in a reliable and timely fashion in a fast-moving environment of design verification and manufacture test. Probing is the front line of that testing; and, having the right knowledge in probing is indispensable for accurate and reliable test results. This seminar will provide you with that necessary knowledge and insight.

Quick Links

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Digital Oscilloscope DL9240L. With up to 1.5 GHz bandwidth and a 10 GS/s sampling rate. Its History Memory function dramatically increases the performance of the large memory.



Sometimes an Oscilloscope, sometimes a Chart Recorder! The DL750P is equipped with a fully function scope and chart recorder.



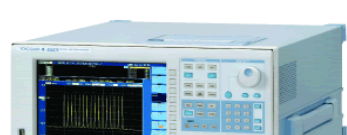
The world's shortest dead zone, with up to four wavelengths and multiple functions. Has a large and bright 8.4" LCD on a lightweight, compact and solid body. Less than 10 sec power-up time.



The new Yokogawa SL1000 delivers independent, isolated channel hardware at 100MS/ch rates, with no compromise in bit resolution, memory depth, or streaming performance. Extensive trigger, probe, accessory, and module libraries.



Look to Yokogawa for your total solution for precision power measurements. We offer a complete line of Precision Power Analyzers to meet your measurement applications in areas such as Energy Star®, Stand-by-Power, Inverter, Motor, and Efficiency testing.



Optical engineering does not stop at the Telecom wavelengths. Neither does Yokogawa's line of OSAs.

[Please click here to locate a local sales representative in your region](#)

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Who Should Attend:

Engineers and technicians who:

- are new to testing signals with oscilloscopes
- make measurements at 50 MHz or higher
- design or test power supplies
- desire to improve test result repeatability
- wish to more fully utilize existing scopes by choosing the best probe for a given application.

What you will learn:

Voltage Probe Basics

- Specifications for Probes,
- 1:1 and 10:1 and 100:1 Passive Probes - Pros and Cons of each.
- Phase Compensation
- Probe Matching
- Low Capacitance Probes
- FET/Active Probes
- Differential Probes

Real-World Circuit Probing

- Benefits of Using Probes
- Loading Effect
- Filtering by Probe Capacitance
- Resonance by Inductances
- Use of Damping Resistors
- Stability of Probe Cables
- Stability of Ground Levels

Current Probe Basics

- Passive AC Current Probes
- Active DC/AC Current Probes
- Loading Effect
- Specifications

Hints and Tips for Successful Probing

[Please click here to register for November 4th, 2008.](#)

When 8-bit Scopes Aren't Enough: High-Resolution, Isolated, Mixed-Signal Instruments for Electro-Mechanical Measurements



We all know what a difference the right tool can make. While traditional 8-bit oscilloscopes are the right choice in many situations, they often are not the best choice when making mixed signal, power and/or electro-mechanical measurements. There exists in the market, instruments designed with these applications in mind. Hybrid instruments offer capabilities not found in traditional 8-bit oscilloscopes. These capabilities include: high-resolution (up to 16-bit) and isolated inputs, very long memory for long-term recording and support for a variety of signal inputs (RMS coupling, temperature, strain, frequency-voltage, accelerometers, etc.)

What you will learn in this seminar:

- Understand differences between oscilloscopes, recorders and hybrid instruments.
- Identify key instrument specifications for electro-mechanical applications.
- Why hybrid instruments are often the best choice.
- Discuss specialized functions designed for electro-mechanical applications.

[Please click here to register for November 13th, 2008.](#)

In-House Seminars from Yokogawa Provide Free Technical Education at Your Company Location

Let Yokogawa's industry experts coach your engineering team in measurement theory, test techniques, and advances in product technologies. These current technical seminars from Yokogawa can help your staff expedite debug and design validation, and are available as continuing education, informal seminars, or lunch-and-learns. They are available at no cost to you except your time. Minimum attendance required.



Seminar Topics:

- Mixed Signal Oscilloscope and Logic Analysis Seminar
- Electric Motor Testing Seminar
- Introduction & Use of the Optical Spectrum Analyzer
- Hybrid Scopercorder and Optical
- Serial Data Bus Analysis Seminar
- Power Analysis Seminar: Making Precision AC Power Measurement
- Oscilloscope Basics and Key Features of Today's Scopes
- Advances in Mixed Signal Oscilloscope Technologies and Applications
- Oscilloscope Probes and Probing Techniques
- When 8-bit Scopes Aren't Enough: High-Resolution, Isolated, Mixed-Signal Instruments for Electro-Mechanical Measurements
- UART, I2C/SPI/SM, CAN/LIN/Flexray: Tips and Tricks for Serial Protocol Analysis and Physical Layer Troubleshooting, using Mixed Signal Oscilloscope (MSO) Technology
- Overcoming Noise in Data Acquisition: The Seven Deadly Sources, and How to Improve the Measurement Performance of Any System

[Please e-mail us for details.](#)

Upcoming Events

Automotive Testing Expo North America 2008

October 22 - 24, 2008
Location: The Rock Financial Showplace, Novi, Mi
Booth Location - 7016

[Click here for your Free Visitor Pass](#)



OSP Expo 2008

October 22 - 23, 2008
Location: Baltimore Convention Center, Baltimore, MD
Booth Location - 1519

[Click here for your Free Visitor Pass](#)



EME Electrical Manufacturing Expo 2008

November 3-5 2008
Location: Gaylord Palms Convention Center, Orlando, FL
Booth Location: 408

[Visit here for more details](#)



Getting To Know Yokogawa



Yokogawa was established in 1915 and has grown into nearly a \$4 Billion company over the past 90 years. Yokogawa is a technology leader that annually reinvests nearly 10% of it's earnings into R&D and has nearly 6,200 patents to show for it.

[To read more about Yokogawa's approach to the T&M market please read the following Test and Measurement World article.](#)

Promotions & Deals



PROMOTIONS & DEALS

- Buy one of our WT3000, WT1600 or PZ4000 AC Power Analyzers and get \$2,000 off of one of our DL9000 working Xplorer Oscilloscope. That's a power package!
- Trade-in a signal AQ6317C Optical Spectrum Analyzer (OSA) and receive up to a \$10,000 credit toward the purchase of our latest OSA, the AQ6370B

[For more information, please e-mail us.](#)

QUALITY ■ INNOVATION ■ FORESIGHT

We hope this newsletter provided you with some valuable information and we look forward to seeing you on-line. Stayed tuned for future issues of applicationXplorer and more useful information from Yokogawa. If you received this email in error please use the "SafeUnsubscribe" link below.

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