

Hands-on Workshop

Motor & Drive Measurements

Hands-on with the Fluke MDA-550 Series III Motor Drive Analyzer

Who Should Attend?

Technicians and engineers making electrical measurements on Variable Frequency Drives (VFDs).

What You Will Learn

- A range of measurements to identify electrical issues that can prevent the VFDs from functioning correctly or cause damage to other equipment.
- How non-linear loads and harmonics effect measurements in electrical power systems.
- Why traditional test tools can give incorrect readings on VFDs.

Class Outline

- I. Introduction
 - a. Measurement Safety Standards
 - b. Review PWM Inverter and Basic Waveforms
- II. Input Measurements (Line Side of VFD)
 - a. Measurement Tools
 - b. Unbalance, Harmonics, Power Factor
- III. Drive Output Measurements
 - a. Measurement Tools
 - b. Pulse-Width Modulation (PWM), dV/dt ,
 - c. Reflections and Shaft Voltage
- IV. Predictive Maintenance Tools for drive train analysis



The Fluke MDA 550 Motor-Drive Analyzers save time and eliminate the hassle of setting up complex measurements, while simplifying the troubleshooting process for variable frequency drives.

Schedule & Registration

Time

8:30 AM – 1:00 PM

Date

August 7th

Location

ES&E Rocky Mount
147 Red Iron Rd
Rocky Mount, NC 27804

Cost:

\$659.00
Lunch
Included



Price Includes

- Fluke 376 FC ac/dc Clamp Meter with iFlex™
- Transmit results wirelessly via Fluke Connect®
 - Log and trend measurements



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