

# Training ClearView® db - Agenda Maintenance and Troubleshooting

**GUIDED WAVE'S** Maintenance and Troubleshooting course for the ClearView db photometer process analyzer is a one day training with both classroom and hands-on-lab activities. Classes are kept small for more one-on-one instruction, and are taught by knowledgeable experts, each with extensive professional experience at Guided Wave. Copies of all training materials are provided electronically. Please contact us for course price, dates and availability.



ClearView® db Process Analyzer -ATEX Enclosure Option Shown

## Course Agenda Overview

### Analyzer Setup and Startup

- First Time Configuration
- Self Diagnostics and status
- Reference (Zeroing) and Scanning

### LAB – Make it run!

### Spectroscopy Overview

#### Analyzer Software Operation

- USB ports and connecting the Analyzer (review)
- Self-Diagnostics and status (review)
- Review all Firmware features and functions
- Event Logs
- Help file

### I/O Communications and Setup

- Analog and digital discrete
- Modbus

### LAB - Spectrometer Hardware Overview and Parts replacement

- Spectrometer Module
- Power supply
- Touch Screen

### Probes and Fiber

- Students will review the internal workings and manufacture of various online probes and flowcells.

### LAB – Routine and Preventive Maintenance

- Changing the lamp
- Checking fiber connections/condition
- Cleaning Probes and Flowcells
- Zeroing (aka Referencing)

### DATA PROTECTION

- Backups and Restoring Firmware

### Troubleshooting

- Start Fresh!
- Event Logs!
- Light Level?
- Probe Blind?

### LAB – Fix it!

### LAB - Fiber Optics Termination and Repair Demonstration

### Guidelines - Returning Components for Repair and RMAs