

## Technical Training



### Overview

Thermo Electron air quality products protect people and the environment. As leaders in air quality, our products and services offer:

- Ongoing support
- High analyzer uptime
- Flexible data reporting and analysis
- Low cost of ownership
- Comprehensive solutions for all phases of the product lifecycle

Maintaining high levels of product performance through a knowledgeable, trained in-house staff of air quality product experts is a challenge for most organizations. Yet, to maintain optimal product performance levels, you need to ensure that your staff is sufficiently trained to handle first level maintenance as well as ongoing calibration and preventive maintenance.

### Technical Training Overview

Thermo in-depth technical training on our line of gas analyzers is offered in a lecture/lab format either monthly at a Thermo training facility or on-site at your location. The course provides both new users and those that need a refresher the knowledge they need to maintain gas analyzers to factory specifications.

The class consists of a lecture portion, including an overview and theory of operation, as well as hands-on training that covers instrument assembly and disassembly, set up and installation. The lab portion of the class addresses check out and calibration.

Upon completion of the course, participants will be able to troubleshoot and calibrate the analyzer to factory specifications, as well as perform routine preventive maintenance.

## Covered Topics

The specific topics to be covered during the session include:

- Introduction to Thermo Electron
- Theory of Operation
- Assembly and Disassembly
- Preventive Maintenance
- Troubleshooting
- Set up and Installation
- Calibration
- Tips and Help Aids

## Additional Training Options

For those that need in-depth training on the MIRAN SapphiRe portable ambient air analyzers, Thermo offers a monthly web-based training that is delivered via a live instructor and provides the opportunity for real-time feedback and Q&A.

The web-based training module includes the following key topics:

- Advantage of the SapphiRe Portable Instrument
- Infrared Basics and Sample Compound Scans
- Display of the Analyzer's Major Assemblies
- Operational Menu Options
- Operational Summary
- Review of the Info Screen
- Features of the Battery and Charger
- Optional Leak Probe and Performance Verification Kit
- Preventive and Annual Maintenance
- Tips and Tricks
- Service and Support Programs
- How to Place Orders, Obtain Software Updates and Access Technical Support

Immediately following the Basic SapphiRe training module, there is a 1/2 hour ThermoMatch training module offered, at no additional fee, for those who have purchased ThermoMatch or those simply interested in finding out more about how to analyze for the unknown.

For more information or to register for the training, visit <http://www.thermo.com/aqitraining>

## About Thermo Electron

Thermo Electron Corporation is the world leader in analytical instruments. Our instrument solutions enable our customers to make the world a healthier, cleaner and safer place. Thermo's Life and Laboratory Sciences business provides analytical instruments, scientific equipment, services, and software solutions for life science, drug discovery, clinical, environmental, and industrial laboratories. Thermo's Measurement and Control business is dedicated to providing analytical instruments used in a variety of manufacturing processes and in-the-field applications including those associated with safety and homeland security. Based near Boston, Massachusetts, Thermo has revenues of more than \$2 billion, and employs approximately 10,000 people in 30 countries. For more information, visit [www.thermo.com](http://www.thermo.com).

## Protect your Investment

For more information about our Training services, please contact your Thermo Electron representative.

Or visit our web site at [www.thermo.com](http://www.thermo.com).

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