



# Formal Training Program

The formal training program consists of 2 x 8 hour sessions over a 2 day period. The program is designed to get customers using the SCORPION® 2 quickly, producing maximum results with a minimum amount of time invested. The course is designed for small groups (4 - 8 trainees), allowing intense lecture, and personal hands-on experience with the SCORPION® 2 hardware and software. Each trainee will receive a hard copy of all course materials for future reference.

## Outline

### Day-1 AM 4 hours:

- Introduction
- Lecture on the SCORPION® 2 Data Logging Measurement System
- Examples of good & bad profiles for each sensor
- Discuss Windows compatibility and SCORPION® Software Licensing

### Day-1 PM 4 hours:

- Demonstrate profiling procedure in the classroom
- Get set up in oven area for profiling runs
- Enter process information into SV8
- Instructor to collect first complete set of profiles (Temperature, Air Velocity, Heat Flux, and Humidity) from start to finish with detailed explanation of every step
- Explain trimming the data, data table, profile summary and process summary
- Analyze the collected data with SV8 displaying 2D Line, 2D Contour, and 3D Mesh graphs
- Tutorial on graph formats and variation settings



### Day-2 AM 4 hours:

- Set up customer PC's with SV8 software
- Tutorial on file structure: exports, graphs, process, profiles, spc
- Trainees to collect 1st complete set of profiles, using all sensors, under guidance of the instructor
- Trainees to analyze profiles in SV8
- Explain X, Y, and W axes settings
- Display data in various views for each of the sensors in time, distance and % travel

### Day-2 PM 4 hours:

- Trainees to collect 2nd complete set of profiles, using all sensors, under guidance of the instructor
- Trainees to analyze profiles in SV8
- Explain on screen measurements, notes and tools
- Set up averages and comparison overlays
- Discuss advanced features of reference lines, x markers, spc and food safety % kill
- Demonstrate printing and exporting charts and data tables for reports
- Wrap-up, open discussion

The above should be used as a guide with the idea that we can deviate from this based on your specific needs. All profiling will be performed with customers equipment, therefore the customer must have the SCORPION® 2 Equipment available and ready for use. The equipment will be needed in the classroom for the first session.

**Following is a list of 5 items that should be prepared, prior to the instructor's arrival, in order for the training to go smoothly:**

- 1) A conference room with a projector capable of connecting to a PC. This room will be used throughout the 2 days of training. A whiteboard is also needed.
- 2) Secure a Laptop to be used with SCORPION® 2. It is beneficial if this laptop belongs to one of the trainees. Operating system: XP or WIN7 - 32/64bit.
- 3) Set up a worktable (approx. 3ft X 6ft) in the factory, preferably near the front (oven input) of the ovens being profiled. This will be for the Laptop and SCORPION® 2 Equipment. There should be at least 4 AC power outlets at this table. The area should be reasonably clean for PC operation.
- 4) A good stopwatch with a split time feature for timing the profile runs.
- 5) A fan to help cool the SCORPION® 2 equipment between profiling runs.



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