



READING THERMAL



SCORPION[®] 2

*Data Logging Measurement System
with SMART SENSOR TECHNOLOGY™*



DATA COLLECTION ~ ANALYSIS ~ PROBLEM SOLVING

Welcome

Reading Thermal is proud to introduce you to the SCORPION® 2 Data Logging Measurement System with *SMART SENSOR TECHNOLOGY™*

The SCORPION® has become a standard in the baking industry, and SCORPION® 2 represents the next step in its evolution. SCORPION® 2, a major upgrade to the SCORPION® Data Logging Measurement System, embodies more than two years of R&D effort. The new design was customer driven with a primary focus on ease-of-use and technology advancements to increase the resolution of the baking profile and the speed in which profile data is collected. With these improvements, you receive enhanced productivity, product quality and increased profitability for a wide range of baking, drying and cooling processes. Like its predecessor, SCORPION® 2 is a complete data logging measurement system setting new standards in measuring and analyzing critical in-process conditions.

The SCORPION® 2 Data Logger is Faster, Easier to use and Smarter than its predecessor. It captures a better, more complete process picture in a shorter period of time. With its 32 input channels, a 0.1 sec scan rate and the ability to collect multiple profiles with no need to download between runs, you receive a highly defined process picture in a much shorter period of time. In fact, with the new SCORPION® 2, a complete set of profiles (Temperature, Airflow, Heat Flux and Humidity) can be collected on a typical biscuit or cracker line in 1/3 the time than with the original SCORPION® Data Logger.

Faster
Easier
Smarter



The solution is in the details

for some, sameness is boring—but for bakers it's a thing of beauty. Being able to measure and control the many variables of the baking process – temperature, air velocity, heat flux and humidity, is the difference between inconsistent product and product that comes off the line the same – from line to line, from city to city, even from country to country.

The SCORPION® enables you to precisely measure and evaluate conditions throughout your baking process, allowing you to produce the same product on every line.

The SCORPION® is used around the world for many different applications in the food industry. It is also used by the manufacturers of oven lines and cooling tunnels to aid in their equipment design and testing. The most common application is profiling a product being conveyed through a heat transfer tunnel. Examples include baking and drying ovens, cooling tunnels and

freezing tunnels. Products range from cookies and crackers to chocolates and candies to chicken and sausage to aluminum cans. In these applications, the SCORPION® records measurements in line with the product flow, at product level, as it is being processed.

This allows the operator to collect data which directly reflects the conditions of the process under full load. In an organization the SCORPION® is used by various departments including R&D, Quality Assurance, Food Safety, Oven Operators and Maintenance.



Online Training Program

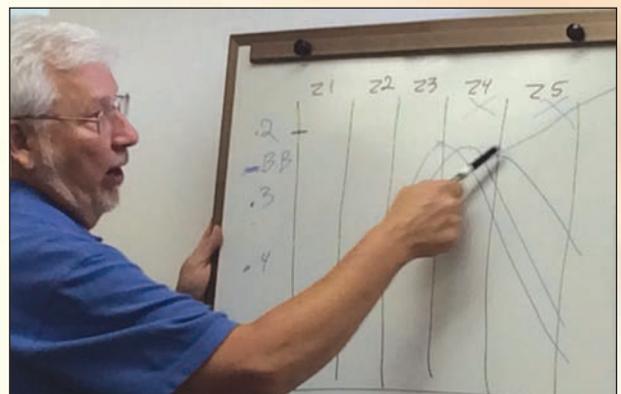
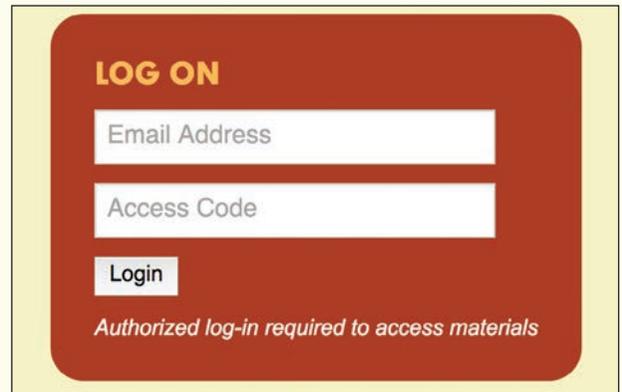
Reading Thermal has developed a comprehensive Online Training Program for the SCORPION® 2 Data Logging Measurement System. The program includes unlimited access to a library of modules, each complete with an audio/video component, diagrams, and visual reference handouts for note taking.

The training program allows both new and experienced users to maximize their time in data collection, analysis and problem solving.

The training modules cover all aspects of the SCORPION® 2 hardware and software components, integrating real process examples throughout. The modules contain over 3 hours of audio and video supported by more than 500 slides in printable handouts.

With this program you can:

- Absorb information on your schedule
- Easily focus on specific areas as needed
- Get new hires up to speed quickly
- Increase the number of employees trained
- Have unlimited views of the information
- Access on-demand training, eliminating the need to gather employees in one room for an extended part of the day
- Cross-train less technical employees to collect and interpret data



Training Modules Included:

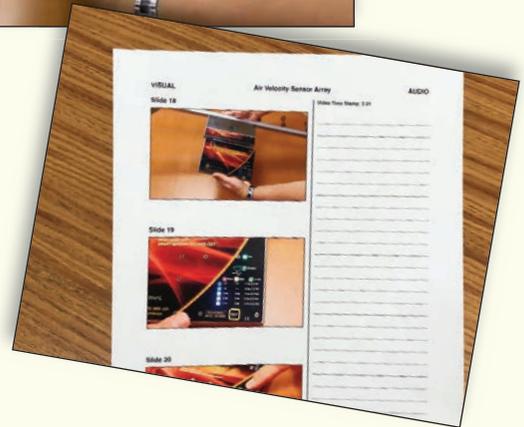
- Introduction
- SCORPION® 2 Data Logger
- Thermal Barriers and Headroom Checkers
- Smart Charger
- Smart Sensor Technology
- Temperature Sensor Array
- Air Velocity Sensor Array
- Heat Flux
- Humidity Sensor
- SCORPION® Software Version 8 (SV8)
- Profiling Procedure



*Visual Handouts
for Note Taking*

Also Available:

- Visual Handouts for each Module
- Other Supporting Documents



The Online Training Program Provides:

- Detailed descriptions of all SCORPION® equipment
- Video and illustrative segments demonstrating equipment connectivity and usage
- Overviews of various baking processes
- Profile examples showing data collected and interpreted
- Case studies from actual production environments
- Software overviews and the details

A one-time purchase of the Online Training Program allows unlimited use by all members of your organization at a specific location. An access code is provided by Reading Thermal to each registered user with a valid company email address.

Completion of the Online Training Program is a prerequisite for a follow-up Hands-On Training Visit for customers who would like additional on-site support.

Reading Thermal is proud to have a group of sales representatives and agents, around the world, that can assist with the sales and support of the SCORPION® 2 Data Logging Measurement System.



Reading Thermal is located in Sinking Spring, Pennsylvania, approximately 70 miles North West of Philadelphia. This is home to the Research, Development, Manufacturing and Sales operations.

All SCORPION® 2 equipment is manufactured in-house; this gives us total control over the manufacturing process and allows us to customize equipment based on customer specific needs. Please don't hesitate to contact us with questions or to discuss your specific profiling needs.



It has been a pleasure introducing you to the SCORPION® 2 Data Logging Measurement System. Contact us directly for pricing and quotations:

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