

INTEGRATING THE TEST SYSTEMS

Integrating a test system with its controller and other data analysis components is not a trivial undertaking. Engineering disciplines — including electrical, mechanical, and software — need to come together for successful integration and implementation. Safety and regulatory standards must be met according to state, federal, international, and industry standards and laws.

The complexity of the test system can easily surpass the complexity of the product being tested. For this reason, documentation of the integration and use of the system should be extensive and accurate in order for future chamber users to be successful.

Integrating and implementing test and measurement with environmental testing can help in multiple ways. For starters, it can streamline testing and data analysis, which increases time and testing efficiencies. Other benefits include increasing product robustness, improving product reliability and production processes, increasing yields, and reducing warranty and recall expenses.

Test system integration can be difficult, but it is well worth the time and effort. Environmental testing contributes to the success of many types of products, from the design stage to final production. Successful test system integration can contribute to the success of overall company goals, from happy customers and efficient employees to robust, dependable products and increased profit margins. What could test system integration do for you?



For more than 55 years, Thermotron has provided quality environmental test equipment. We've worked to establish a trusted reputation among our peers, and when people hear the name *Thermotron*, they have confidence in the testing of their own product. We've been building our name since 1962; now it's your turn.

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