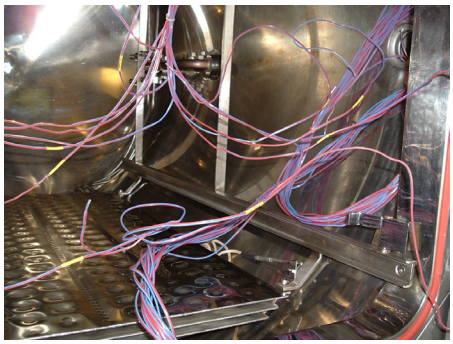
DataTrace®

DataTrace Saves Time in Thermal Mapping

Wireless Data Loggers Save Time and Simplify Chamber Validation

- **Tired of with the hassle of thermocouple wires for your validation work?**
- **Having trouble correctly positioning the wires correctly inside the chamber, and inside packages of product?**
- **Fed up with all the pre-calibration and post-calibration issues associated with thermocouples?**



If you answered "yes" to any of these questions, then the DataTrace wireless data logger system is the solution to your problems!

DataTrace Saves Time

Chamber thermal mapping and heat penetration studies are key to validating your equipment and processes, and are an important part of your GxP compliance program. The DataTrace system allows you to perform these critical studies in a fraction of the time required to do the same work with a wired, thermo-couple based data logger system. In the example below, of a 16-point autoclave thermal mapping, the DataTrace wireless loggers were found to save 65% of the time of a traditional thermocouple system.

Function	Thermocouple System	DataTrace Data Loggers
Pre-Calibration	30 mins	None
Sensor Placement	30 mins	5 mins
Data Collection	45 mins	45 mins
Sensor Removal	15 mins	2 mins
Post-Calibration	**30 mins**	**None**
Total	150 mins	52 mins

Eliminate Pre and Post Run Calibration

Unlike thermocouples, the thermistor and RTD technology used in DataTrace data loggers long term calibration stability. This stability allows you to extend the time between calibration checks or eliminate them altogether.

Simplify Sensor Placement and Removal

DataTrace data loggers can be easily and quickly placed in chambers or rooms. Being wireless, there are no thermocouples or power cables to deal with-- simply position the loggers in an apporpriate location and they are ready to collect data.

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For more information, visit
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DataTrace Saves Time in Thermal Mapping

Improve the Accuracy of Heat Penetration Studies

The DataTrace data loggers are extremely small, robust, precision instruments that can easily be placed inside packages of products. Using appropriate fixtures, the tip of the temperature probe can be positioned exactly at the coldest point within the package, providing extremely accurate heat penetration information. The package of product can be sealed in its normal process, often without the need to make "ports" for thermocouple wires to extend into your packaging.

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