WP WessexPower

Thermal Validation Solutions

Pharmaceutical, medical,
food & beverage monitoring

- ✓ Wide temperature ranges
- ✓ Configuration and collection
- ✓ Reporting and analysis

Introduction

Comprehensive range of robust dataloggers designed to deliver precise data within environments running at extreme temperature and pressures.

Food & Beverage solutions - easy to use robust data loggers for collecting rapid and accurate temperature data in cooling and cooking applications.

Real-time validation solutions - closed door validation enables data collected inside ovens and chambers to be viewed and reacted to in real-time using robust data loggers with integral wireless radio modules.

HACCAP and Product quality

Recording cooking and cooling profiles is critical in ensuring lethality (F0) and pasteurisation (PU) limits are reached and key metrics for reviewing product quality and improving the efficiency in production lines. Self-contained data loggers are an inexpensive and accurate alternative to the more alternative methods of collecting temperature data using long wires or large metal insulation boxes.

Solutions to suit your needs

Precise battery powered modules are deployed at predetermined locations, transmitting and collecting real-time vs. temperature data. Limitless expansion capabilities with multi-site global networking, enable our systems to grow and adapt to our clients ever changing needs and regulatory demands.

- ⊘ HACCAP and product quality
- ⊘ Shields, fixtures, probes and fittings
- ⊘ Multi point configuration and analysis

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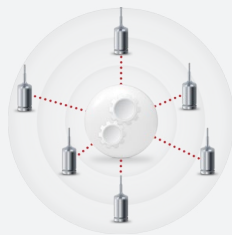# Why is our solution the perfect fit?

1
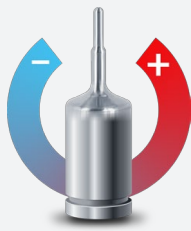
Wide operational temperature range

Self-contained, compact stainless steel data loggers for collecting time temperature data in extreme environments/over a wide range, without the inherent problems generated by using traditional thermocouples.

2

Rapid configuration

Batch configuration and download using real-time radio and multiplex interfaces enable multiple data loggers to be managed at the same time, minimising the time spent preparing your studies and presenting your data.

3

Choose wireless connectivity for real time data

Premium solution for validating environmental processes in real-time using high quality temperature, humidity and pressure data loggers with integral sensors and RF technology, with the capability of delivering up to the second data to your computer.

4

Reporting and analysis

Monitor critical temperature data collected globally on any internet enabled device. Collected data can be securely stored and analysed using software compliant with regulatory guidelines including FDA 21 CFR Part 11 with options to operate without installable software.

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Shields, fixtures and fittings

Application specific accessories designed to protect the data loggers and keep them where you need them!

Thermal Shield

Profile ovens at elevated temperatures using our low cost temperature insulation, designed to meet your cooking profile time vs temperature duration.

Canning and packaging

Use our fittings to fix the data logger to the outside of your products packaging and ensure the temperature sensor is consistently in the correct position.

Magnets and brackets

Clips to hold the sensor in place and ensure the data logger remains in your desired location during the validation process.

Multi point configuration and analysis

Rapidly configure multiple data loggers using the IFC406 interface and setup workflows to automate the management of your data and presentation of reports incorporating multi plot graphs, table of time stamped temperature readings and configurable statistics including; min, max, F0, PU, time over/under temperature, and maths channels.
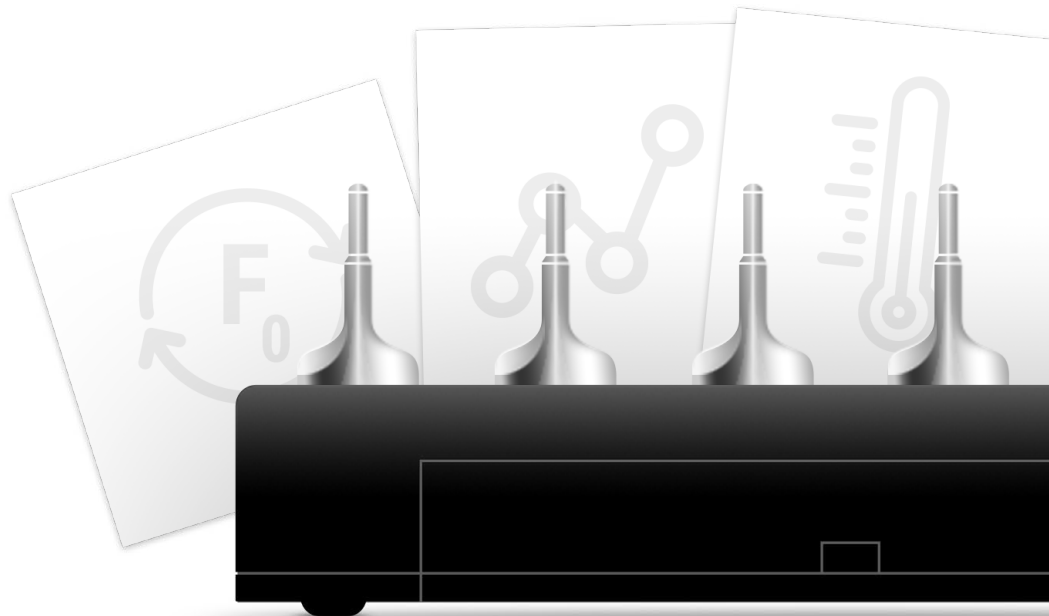
A solution for any application
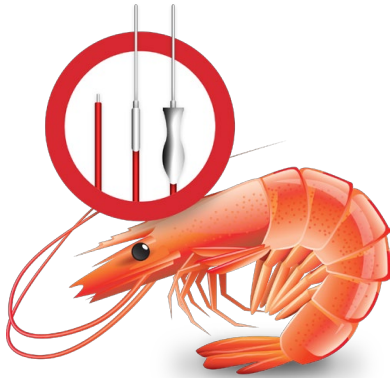
Application specific probes

Select from a wide range of sensors, comprising of small rapid response probes suitable for insertion into small food products like prawns and more imposing ones for insertion into a leg of lamb.

Temperature sensors

Suitable for deployment in any appliance from ultra-low temperature freezers at -80°C to ovens at +140°C with external probed options suitable for use in conjunction with thermal barriers to operate at higher temperatures.

Sensor options

The comprehensive range of temperature sensors are supported by pressure and humidity models, enabling a comprehensive profile of critical environmental parameters.

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Why choose us?

We have tailored our hardware and services to deliver customers a comprehensive solution to all thermal, qualification and validation demands imposed on them by governing bodies and their auditors.

✅ Over 30 years of experience

ISO9001 accredited, delivering quality hardware and services since 1979.

✅ Package options

We will adhere to your application and operational requirements and put forward solutions packaged with software, documentation and custom cases.

✅ FDA Compliant

Comprehensive documentation and software packages which can be validated on-site by our experienced engineers.

✅ Training

On-site and off-site training courses ensure staff are knowledgeable in the capabilities

✅ Calibration certificates

On-site and off-site calibration services ensure your hardware is operating within acceptable limits and supported with documentation to appease inspectors.

✅ Comprehensive software

Offline and online configuration and analysis software with comprehensive reporting features.

Contact details

We welcome all inquiries, so please call or email details through and we will get back to you with a solution.

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